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ANNOUNCEMENT

OF THE

DENTAL SCHOOL

188 LONGWOOD AVENUE, BOSTON, MASS.

OF

HARVARD UNIVERSITY

WITH AN ANNOUNCEMENT
FOR 1936–37

CAMBRIDGE
PUBLISHED BY THE UNIVERSITY
1935

1935

JULY

Su	Mo	Tu	W	Th	Fr	Sa
..	1	2	3	*(4)*	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

AUGUST

..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

SEPTEMBER

1	*(2)*	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	..	..	..	..	..
..	..	..	..	..	..	..

OCTOBER

..	..	1	2	3	4	5
6	7	8	9	10	11	*(12)*
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

NOVEMBER

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	*(11)*	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	*(28)*	29	30
..	..	..	..	..	..	..

DECEMBER

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22	23	24	*(25)*	26	27	28
29	30	31	..	..	..	..
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1936

JANUARY

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FEBRUARY

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9	10	11	12	13	14	15
16	17	18	19	20	21	*(22)*
23	24	25	26	27	28	29
..	..	..	..	..	..	..

MARCH

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
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APRIL

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	*(20)*	21	22	23	24	25
26	27	28	29	30	..	..
..	..	..	..	..	..	..

MAY

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
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24	25	26	27	28	29	*(30)*
31	..	..	..	..	..	..

JUNE

..	1	2	3	4	5	6
7	8	9	10	11	12	13
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21	22	23	24	25	26	27
28	29	30	..	..	..	..
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JULY

Su	Mo	Tu	W	Th	Fr	Sa
..	..	..	1	2	3	*(4)*
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
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AUGUST

..	..	..	..	..	..	1
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

SEPTEMBER

..	..	1	2	3	4	5
6	*(7)*	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..
..	..	..	..	..	..	..

OCTOBER

..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	*(12)*	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

NOVEMBER

1	2	3	4	5	6	7
8	9	10	*(11)*	12	13	14
15	16	17	18	19	20	21
22	23	24	25	*(26)*	27	28
29	30	..	..	..	..	..
..	..	..	..	..	..	..

DECEMBER

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	*(25)*	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

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DENTAL SCHOOL CALENDAR

1935.

Sept. 20, Friday. Registration of third and fourth year students.

Sept. 23, Monday. **Academic Year begins.** Registration of first and second year Students. Payment of the first instalment of the tuition-fee is required on this date.

Oct. 12, Saturday. Columbus Day: a holiday.

Nov. 11, Monday. Armistice Day: a holiday.

Nov. 28, Thursday. Thanksgiving Day: a holiday.

Nov. 30, Saturday. Payment of the second instalment of the tuition-fee is required on or before this date.

Recess from Dec. 23, 1935, to Jan. 2, 1936, inclusive.

1936.

Jan. 1, Wednesday. New Year's Day: a holiday.

Jan. 27, Monday. **Second half-year begins.**

Jan. 30, Thursday. Payment of the third instalment of the tuition-fee is required on or before this date.

Feb. 22, Saturday. Washington's Birthday: a holiday.

Recess from March 29 to April 5, inclusive.

Apr. 20, Monday. Patriot's Day: a holiday.

Apr. 30, Thursday. Payment of the fourth instalment of the tuition-fee is required on or before this date.

May 1, Friday. Last day for receiving applications of candidates for the degree of D.M.D. in June, 1936.

May 30, Saturday. Memorial Day: a holiday.

June 17, Wednesday. Alumni Day.

June 18, Thursday. **Commencement.**

Summer Vacation, from Commencement to September 27, inclusive.

THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE

This Board is commonly known as the CORPORATION.

PRESIDENT

JAMES BRYANT CONANT, A.B., PH.D., LL.D., S.D., L.H.D.
17 Quincy St., Cambridge

FELLOWS

THOMAS NELSON PERKINS, A.B., LL.B., LL.D.
50 Federal St., Boston

CHARLES PELHAM CURTIS, JR., A.B., LL.B.
30 State St., Boston

ROGER IRVING LEE, A.B., M.D. 264 Beacon St., Boston

GRENVILLE CLARK, A.B., LL.B. 31 Nassau St., New York, N.Y.

CHARLES ALLERTON COOLIDGE, JR., A.B., LL.B.
50 Federal St., Boston

TREASURER

HENRY LEE SHATTUCK, A.B., LL.B. 24 Milk St., Boston

SECRETARY TO THE CORPORATION

JEROME DAVIS GREENE, A.M. 10 University Hall, Cambridge

THE BOARD OF OVERSEERS

The PRESIDENT and the TREASURER of the University, *ex officio*, and the following persons by election: —

1936*

CHARLES FRANCIS ADAMS, A.B., LL.B., LL.D.
15 State St.. Boston

LEARNED HAND, A.M., LL.B., LL.D.
Old Post Office Building, New York, N.Y.

SAMUEL SMITH DRURY, A.B., L.H.D., D.D., LITT.D.
St. Paul's School, Concord, N.H.

WALTER SHERMAN GIFFORD, A.B., LL.D., S.D.
195 Broadway, New York, N.Y.

ELIHU ROOT, JR., A.M., LL.B. 31 Nassau St., New York, N.Y.

1937

GEORGE RUSSELL AGASSIZ, A.B., PRESIDENT.
14 Ashburton Pl., Boston

ALLSTON BURR, A.M. 60 State St., Boston

DWIGHT PARKER ROBINSON, A.B., S.B. St. Davids, Pa.

FREDERICK WINSOR, A.B. Middlesex School, Concord

WILLIAM PHILLIPS, A.M., LL.D.
Department of State, Washington, D.C.

1938

MINOT SIMONS, A.M., D.D. 64 East 86th St., New York, N.Y.

DANIEL FISKE JONES, A.B., M.D. 195 Beacon St., Boston

ALBERT ARNOLD SPRAGUE, A.B.
1130 Lake Shore Drive, Chicago, Ill.

GEORGE WHITNEY, A.B. 23 Wall St., New York, N.Y.

FRANCIS PARKMAN, PH.D. St. Mark's School, Southboro

1939

MARK ANTONY DEWOLFE HOWE, A.M., LITT.D.
16 Louisburg Sq., Boston

NATHAN HAYWARD, A.B., S.B. 308 Chestnut St., Philadelphia, Pa.

* The term expires, in each case, on Commencement Day of the year indicated.

SAMUEL HUNTINGTON WOLCOTT, A.B.
State Street Trust Co., Boston

GASPAR GRISWOLD BACON, A.B., LL.B.
222 Prince St., Jamaica Plain, Mass.

WALTER LIPPMANN, A.B., LL.D., Litt.D.
230 West 41st St., New York, N.Y.

1940

CHARLES WARREN, A.M., LL.D.
710 Mills Bldg., Washington, D.C.

JAMES MADISON MORTON, Jr., A.M., LL.B.
484 Highland Ave., Fall River

ALBERT FRANCIS BIGELOW, A.B., LL.B.
246 Dudley St., Brookline

CHARLES ELLIOTT PERKINS, A.B.
257 La Arcada Bldg., Santa Barbara, Calif.

SAMUEL CABOT, A.B. 141 Milk St., Boston

1941

BLISS PERRY, A.M., L.H.D., Litt.D., LL.D.
5 Clement Circle, Cambridge

GEORGE THOMAS MOORE, Ph.D.
Missouri Botanical Garden, St. Louis, Mo.

WILLIAM RICHARDS CASTLE, Jr., A.B.
2200 S St., N.W., Washington, D.C.

LEVERETT SALTONSTALL, A.B., LL.B.
608 Shawmut Bank Bldg., Boston

HENRY STURGIS MORGAN, A.B. 23 Wall St., New York, N.Y.

SECRETARY OF THE BOARD OF OVERSEERS

WINTHROP HOWLAND WADE, A.M., LL.B.
50 Congress St., Boston

THE DENTAL SCHOOL

BOSTON

ADMINISTRATIVE OFFICERS

President: James B. Conant, A.B., PH.D., LL.D., S.D., L.H.D.
Office, 5 University Hall, Cambridge.

Dean of the Faculty of Medicine: C. Sidney Burwell, M.D.
Office, Administration Building, Medical School. Office hours by appointment.

Dean of the Dental School: Leroy Matthew Simpson Miner, D.M.D., M.D., SC.D.
Office, Harvard Dental School. Office hours, daily except Saturday, by appointment.

Secretary to the Dean and Chief Clerk of the School: Celia L. Towne.
Office, Harvard Dental School.

Assistant to the Dean: Richard L. Hapgood, A.B.
Office, Harvard Dental School.

Curator of the Dental Museum: Adelbert Fernald, A.M., D.M.D.
The Museum is in the Dental School Building. Office of the Curator, 29 Commonwealth Ave., Boston.

Librarian: Sterling N. Loveland, D.M.D.
The Library is in the Dental School Building. Office of the Librarian, 196 Marlborough St., Boston.

Physician to Students: Fred W. Morse, Jr., B.S., M.D.
Office hours daily from 9.45 to 10.30, Harvard Dental School.

STANDING COMMITTEES FOR THE DENTAL SCHOOL

Visiting Committee of the Dental School, appointed by the Board of Overseers. — Daniel F. Jones (*Chairman*), Albert A. Sprague, Arthur A. Ballantine, James M. Barker, George C. Cutler, Frederic A. Delano, W. Cameron Forbes, Edward Hamlin, Alanson B. Houghton, Archer M. Huntington, George H. Lyman, Keith McLeod, Junius S. Morgan, Frank M. Rhodes.

Building. — Amos I. Hadley (*Chairman*), Eugene B. Wyman, Wilson C. Dort, Harold A. Kent, William H. Gilpatric.

Curriculum. — Kurt H. Thoma (*Chairman*), Frank H. Cushman, Harold A. Kent, Arthur M. Maloney, Fred W. Morse, Jr., Harry C. Trimble, Richard L. Hapgood (*Executive Secretary*).

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Library. — Arthur P. Young (*Chairman*), George H. Wright, Moses S. Strock, Frederick A. Trevor, Sterling N. Loveland.

Extension Teaching. — Kurt H. Thoma (*Chairman*), Fred R. Blumenthal, Harold E. Tingley, Raeburn R. Davenport, Frederick A. Trevor.

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Admission. — Dean Miner (*Chairman*), Harry C. Trimble, Percy G. Stiles, Frank H. Cushman, George H. Wright.

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Social Activities. — Amos I. Hadley (*Chairman*), David F. Spinney, Richard B. Smith, Harold A. Kent, Harold E. Tingley, Fred W. Morse, Jr., Charles W. Crowley.

Endowment. — Lawrence W. Baker (*Chairman*), F. Chester Durant, Sterling N. Loveland, Norman B. Nesbett.

Microscopes. — Kurt H. Thoma (*Chairman*), Fred W. Morse, Harold E. Tingley.

University Committee on Research in Dental Medicine. — Elmer P. Kohler, Alfred C. Redfield, Walter B. Cannon, S. Burt Wolbach, George B. Wislocki, Percy R. Howe, Lawrence W. Baker, Harold L. Weatherford, Leroy M. S. Miner (*ex officio*).

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VARAZTAD H. KAZANJIAN, D.M.D., M.D., *Professor of Clinical Oral Surgery.*

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EDWIN M. SCRIBNER, D.M.D., *Instructor in Operative Dentistry.*

JOSEPH H. BECK, D.M.D., *Instructor in Prosthetic Dentistry.*

MILTON L. BOYLE, D.M.D., *Assistant in Operative Dentistry.*

EDWARD J. DURLING, D.M.D., *Instructor in Extracting and Anaesthesia.*

PAUL K. LOSCH, D.D.S., *Instructor in Operative Dentistry.*

ROBERT S. WESSON, D.M.D., *Instructor in Operative Dentistry.*

JOHN V. BLASI, D.M.D., *Instructor in Prosthetic Dentistry.*

JOSEPH P. JAZOWSKI, D.M.D., *Instructor in Prosthetic Dentistry.*

G. EARL THOMPSON, D.M.D., *Instructor in Operative Dentistry.*

PAUL H. NEWHALL, A.B., D.M.D., *Instructor in Orthodontia.*

GEORGE D. BISSELL, D.M.D., *Instructor in Oral Surgery.*

G. RANDOLPH HUBBARD, A.B., D.M.D., *Instructor in Operative Dentistry.*

PHILIP H. WHITE, A.B., D.M.D., *Instructor in Roentgenology.*

JOSEPH A. CONWAY, D.M.D., *Instructor in Roentgenology.*

HERMANN B. F. SEYFARTH, D.M.D., *Instructor in Operative Dentistry.*

JAMES W. ETHERINGTON, D.M.D., *Assistant in Operative Dentistry.*

RICHARD W. LAWRENCE, D.M.D., *Assistant in Extracting and Anaesthesia.*

KENNETH I. STARBIRD, D.M.D., *Assistant in Prosthetic Dentistry.*

HARRY STONE, D.M.D., *Assistant in Extracting and Anaesthesia.*

GEORGE A. SULLIVAN, A.B., D.M.D., *Assistant in Roentgenology.*

PHILIP J. PINEL, D.M.D., *Assistant in Operative Dentistry.*

FRANK S. CARBONE, D.M.D., *Assistant in Extracting and Anaesthesia.*

THE DENTAL SCHOOL

GENERAL STATEMENT

The Harvard Dental School is located on Longwood Avenue, in Boston, adjacent to the buildings of the Harvard Medical School, and is connected with them by subway.

The Dental School was established by vote of the President and Fellows of Harvard College, July 17, 1867. The first session opened on the first Wednesday in November, 1868, and continued until the following March. The first examination of candidates for the degree of the School was held March 6, 1869.

Instruction in this School is given throughout the academic year, by lectures, recitations, clinical teaching, and practical exercises, uniformly distributed. The programme of instruction is progressive, and occupies four years.

Anatomy, histology, physiology, chemistry (qualitative, volumetric, dental, organic and physiological), metallurgy, general pathology, oral anatomy and histology (normal and pathological), and bacteriology are pursued in the Harvard Medical School.

The degree of Doctor of Dental Medicine is given, on recommendation by the Faculty of Medicine, on the completion of the four years' course. The degree is given in three grades.

It is the object of the Faculty to present a complete course of instruction in the theory and practice of Dentistry; and for this purpose a well-appointed laboratory and infirmary are provided. Clinical instruction is given by the professors and other instructors; and each day patients are assigned to the students, ensuring to all the opportunity of operating at the chair, and becoming trained by actual practice in all the operations demanded of the dentist.

REQUIREMENTS FOR ADMISSION

Applicants for admission must present evidence, not only that they have passed the courses necessary to fulfill the requirements, *but also that their college record has been of such character as to give promise of work of high quality in the dental course.*

The minimum requirement for admission to the School consists of two years of instruction in an approved college of liberal arts and science,

based upon the completion of a four year high school course (or, in the case of foreign students, an equivalent character of work).

A total college credit of at least sixty semester hours is required, including the following obligatory courses: *English*, *Physics* and *Biology*; six semester hours each. *Chemistry*, twelve semester hours, including a course of not less than four semester hours in Organic Chemistry.

The remaining subjects necessary to make up the required number of credits are elective.

Applicants must be entitled to honorable dismissal.

These requirements must be satisfied in full before matriculation.

NOTE. — A semester hour is one hour of lecture or recitation, or two hours of laboratory work, per week, for one half-year, or sixteen weeks.

ADMISSION TO ADVANCED STANDING

Students who have attended an approved dental school for one or more years, may be admitted to advanced standing and become candidates for the degree of D.M.D. under the following conditions: —

They must have fulfilled the requirements for admission.

They must have passed all of the subjects required of them in the school from which they come with a satisfactory rank, and must be entitled to a certificate of honorable dismissal.

They must present a record of the courses which they have already pursued, giving the subjects, the amount of time devoted to each, and the final grade received. The Committee on Admission will decide in each case whether examinations will be required.

Students are requested to apply for admission on blanks provided for the purpose, before July 1. All applications received on or after September 1 must be accompanied by the deposit of twenty-five dollars which will be returned if the application is not accepted. (See Fees and Expenses, page 18.)

VACCINATION

As every new student before being allowed registration in any department of the University must have presented a medical certificate of successful vaccination, such certificate should be included in his application for admission.

EXAMINATIONS AND PROMOTION

Examinations. — During the first, second and third years the final examination in every required subject is held at the close either of the first or of the second term of the school year. The examination, therefore, in every subject occurs once a year, but an opportunity to make up failures in examinations is offered at the opening of the school year. The examination in certain studies of the first year is held at *mid-year* only, and is for those who are members of the School at the time, and for those entitled to apply for the degree, provided they have failed previously in those subjects. The *June examination* is only for those who are members of the School at the time. The *September examination* is for conditioned students, or for applicants for advanced standing. In some branches a portion of the examination consists of practical work in the laboratory.

At the close of the fourth year a general comprehensive examination is held. This examination is aimed to test the student's ability to assemble, correlate, and utilize his knowledge, rather than his ability to remember factual material. The examination comprises a written paper on topics of importance in dental practice and an oral examination on the diagnosis and treatment of a presented case.

Promotion. — At the close of the first half-year, if occasion arises, and always at the close of the school year in June, the work of the first class is considered by the Promotion Board of the Medical School, and recommendations are made to the Dean's Office, in accordance with the Faculty Rules of the Harvard Medical School.

The work of the second and third years is considered by the Promotion Boards of the Dental School, and recommendations are made in accordance with the following rules:

1. A student whose progress is unsatisfactory in both Operative and Prosthetic Dentistry may be asked to withdraw from the school.
2. A student who fails in either Operative or Prosthetic Dentistry is disqualified for promotion and must repeat both courses of that year.
3. A student who fails in other subjects may, at the discretion of the Promotion Board, be advanced on condition.
4. A student who receives a low passing average may, at the discretion of the Promotion Board, fail to be promoted.
5. No student shall be promoted who has failed to remove a condition from the previous class.

In addition to the rulings outlined above, the Administrative Board has voted, as a requirement for promotion, that the mouth of a student must

be in a condition satisfactory to the Chairman of the Operative Department.

In all cases the recommendations of the Promotion Boards are referred to the Administrative Board of the Dental School for their approval.

The Administrative Board reserves the right to require the withdrawal of any student at any time whenever, in the opinion of the Board, it is manifest that he is incompetent for his work or for any other reason is unfitted to continue the course.

DEAN'S LIST

Seniors and Juniors whose work has been of sufficiently high grade may, upon recommendation of the Promotion Boards, be placed on the Dean's List. Membership on this list carries with it eligibility, at the discretion of the department heads, to devote a portion of time from the clinical departments for independent work in some particular field of interest, under proper supervision.

The name of any student may be withdrawn from the List at any time, if he fails to maintain a standard of scholarship satisfactory to the Promotion Boards.

REQUIREMENTS FOR THE DEGREE

The degree of Doctor of Dental Medicine (*Dentariae Medicinae Doctoris*) may be conferred upon any candidate of adult age, and of good moral character, who has passed *all the required examinations*. He must also give evidence of having studied Medicine or Dentistry in some recognized school four full years, the last continuous year of which must have been spent at this School.

The degree of Doctor of Dental Medicine *cum laude* or *magna cum laude* will be given to any candidate who has pursued a complete four years' course in this School and who has shown such a degree of excellence in scholarship and general clinical proficiency as, in the opinion of the Administrative Board, to merit the distinction.

The right to take the examinations, as well as the privilege of continuing membership in the School, is conditioned upon regular attendance upon lectures, infirmary practice, and laboratory exercises.

By vote of the Administrative Board, all students must have their mouths and teeth in a sound, healthy condition, in order to be eligible for the degree.

Candidates for the degree are obliged to apply for the same in writing, on blanks furnished at the Dean's office, on or before *May 1* of the year in which they propose to graduate.

FEES AND EXPENSES

A deposit of twenty-five dollars is required of every new student whose application for a place in the Dental School is accepted. This sum is to be applied on the first term-bill or to be forfeited if the student does not register. Students who make application prior to September 1st must make this deposit within two weeks after their applications are accepted; students who make application on or after September 1st are required to send the deposit of twenty-five dollars with their applications.

The tuition-fee is four hundred dollars, which includes all laboratory fees and will be charged on the term-bills in four instalments, as follows: One-fourth on a term-bill issued at registration and payable on or before September 25 unless the student registers late, in which case the bill is payable on or before the second business day following registration; one-fourth on a term-bill issued November 12 and payable November 30; one-fourth on a term-bill issued January 13 and payable January 30, and one-fourth on a term-bill issued April 13 and payable April 30. In addition students will be charged for any loss of material or breakage.

Any student whose indebtedness to the University remains unpaid on the date fixed for payment is deprived of the privileges of the University until he is reinstated. Reinstatement is obtained only by consent of the Dean of the Department in which the student is enrolled, after payment of all indebtedness and a reinstatement fee of ten dollars.

Bills for miscellaneous charges will be rendered at the time the indebtedness is incurred.

All students doing less than full work and paying at the course rate will be required to pay each quarter in advance a sum equal to the fee for one course until their tuition-fee is paid in full.

All indebtedness to the University must be paid by all candidates for degrees at least one day before Commencement.

Students who are candidates for degrees in the middle of the academic year must pay all dues to the University at least one day before the day upon which the degrees are to be voted.

The term-bills are sent to the student at his College address unless the Bursar is requested in writing to send them elsewhere.

When a student's connection with the University is severed, all charges against him must be paid at once.

The student's general expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. A list of boarding places, at various prices, can be obtained at the Dean's office.

Every student must file with the Bursar on his entrance to the School a bond in the sum of *five hundred dollars* as security for the payment of College bills. The bond may be signed by two bondsmen, both of whom

must be citizens of the United States, or by a surety company duly qualified to do business in Massachusetts. No officer or student of the University will be accepted as a bondsman and in no case will more than one parent be accepted. In lieu of the bond a student may deposit with the Bursar five hundred dollars in United States government bonds, or five hundred dollars in cash which will bear no interest. Blank forms of bonds may be obtained from the Dean's office. Students will be held responsible for the payment of fees until they have notified the Dean, in writing, of their intention to withdraw from the School. *No degree can be conferred until all dues to the School are discharged.*

A student who leaves during the year is charged to the end of the tuition period in which he leaves, provided before that time he gives the Dean notice in writing of his withdrawal; otherwise he is charged to the end of the academic year or to the end of the tuition period in which such notice is given. The first tuition period begins at the beginning of the academic year and ends November 24; the second begins November 25 and ends at the end of the first half-year; the third begins with the second half-year and ends with the spring recess; and the fourth begins at the close of the spring recess and ends at Commencement.

Stillman Infirmary Fee

Any student in the School may, not later than October 15 in each year, pay the Infirmary Fee of $10.00 to the Bursar.

In return for the payment of this fee the University extends the privileges of an annual physical examination; of the Medical Adviser's clinics at the Hygiene Building; of the Eye and Dental clinics at the Hygiene Building where minimum charges will be made for professional services; and, in case of minor illness and on the order of a physician, of a bed in a ward, board and ordinary nursing care in the Stillman Infirmary for a period not exceeding two weeks in any one academic year. At the Stillman Infirmary time in excess of two weeks, medical attendance, private rooms and special nursing care will be extra.

STUDENT HEALTH SERVICE

Realizing the importance to the student of a sound, healthy body, the School maintains a service whose function it is to prevent disease, so far as possible, and promote a high standard of health among the students.

The school physician holds office hours daily and provides for a physical examination of all entering students. In case of illness of a student at his room the physician will help arrange for the care of the patient, or for his transfer to the Stillman Infirmary, or, if necessary, to one of the hospitals allied with the Harvard Medical School. The student is responsible for any charges which his care may entail.

Each student is required to have his teeth put in a satisfactory condition, acceptable to the Department of Operative Dentistry. The mouth is examined and diagnosed, and recommendations for treatment made. The work may be done by the student's own dentist or by the special service for that purpose conducted by the School. No charge is made for the diagnosis.

To afford facilities for physical recreation, arrangements provide for the use of a gymnasium, with excellent handball and squash courts, and a large floor for team games. Attendance at these recreation periods twice a week is required of all first year men, unless excused by a physician. The total expense for lockers and towel service is $3.00 for the year.

INSTRUMENTS

With the exception of extracting instruments, lathes, and vulcanizers, each student will be required to furnish his own instruments, and appliances for both laboratory and operating room.

At mid-years of the first year a small number of instruments for use in the Prosthetic laboratory, costing about five dollars, are required.

At the beginning of the second year a list of instruments required for use in both the Operative and Prosthetic Departments is furnished by the School, and each student is required to provide himself with the instruments enumerated upon the lists before beginning his work. The cost of these instruments, including the dental engine, is about three hundred dollars.

The instruments required in the third year cost about one hundred and sixty-five dollars. Additional instruments amounting to about twenty-five dollars are required in the fourth year.

A deposit of two dollars with the Dean of the Medical School will entitle a student to the use of a locker in the Medical School buildings during the first year.

A student who wishes to rent a microscope of the School can do so upon payment of six dollars a half-year.

FOUR-YEAR COURSE

First Year

Chemistry, Qualitative and Volumetric . . . . . .
Dental Chemistry, Metallurgy, Organic and Physiological Chemistry
Physiology — Lectures and Laboratory . . . . . .
Histology — Lectures and Laboratory . . . . . .
Anatomy — Lectures and Laboratory . . . . . .
Dental Anatomy and Comparative Dental Anatomy — Lectures and Laboratory . . . . . .
General Hygiene — Lectures, Conferences, and Gymnasium periods . . . . . .

Second Year

General Pathology — Lectures and Laboratory . . . . .
Bacteriology — Lectures and Laboratory . . . . . .
Operative Dentistry — Lectures, Demonstrations, Seminar, and Clinics (includes operative technique, odontexesis, and the use of plastic filling materials) . . .
Oral Hygiene — Lectures . . . . . .
Prosthetic Dentistry — Lectures, Demonstrations, and Technique . . . . . .
Materia Medica — Lectures . . . . . .
Radiography — Lectures . . . . . .

Third Year

Operative Dentistry — Lectures, Demonstrations, and Clinics (includes inlays and ceramics, gold foil, periodontia, and treatment of pulp involvements) . .
Therapeutics — Lectures . . . . . .
Prosthetic Dentistry — Lectures, Demonstrations, and Practice (includes crown and bridge technique) . .
Orthodontia — Lectures and Technique . . . . . .
Surgery and Surgical Pathology — Lectures . . . . . .
Oral Pathology — Lectures and Laboratory . . . . . .
Extracting and Anaesthesia Conferences . . . . . .
Physical Diagnosis — Lectures . . . . . .
Oral Medicine — Lectures . . . . . .
Syphilology — Lectures and Conferences . . . . . .
Radiography — Lectures, Demonstrations, and Clinics (in sections) . . . . . .

Fourth Year

Operative Dentistry — Lectures, Demonstrations, and Clinics (includes oral diagnosis and dentistry for children) . . . . . .
Orthodontia — Lectures and Clinics . . . . . .
Prosthetic Dentistry, including crown and bridge — Lectures, Demonstrations, and Clinics . . . . . .
Principles of Surgery — Oral Surgery — Lectures and Clinics . . . . . .
Clinical Oral Surgery — Lectures and Clinics . . . . .
Conduct of Practice: Dental Jurisprudence: Ethics — Lectures . . . . . .
Extracting and Anaesthesia — Demonstrations, Lectures, and Clinics . . . . . .
Roentgenology — Clinics . . . . . .
Public Health Dentistry — Lectures . . . . . .

METHODS OF INSTRUCTION

Biological Chemistry

Albert Baird Hastings, Ph.D., *Hamilton Kuhn Professor of Biological Chemistry.*

Cyrus H. Fiske, M.D., *Associate Professor of Biological Chemistry.*

Harry C. Trimble, Ph.D., *Assistant Professor of Biological Chemistry.*

Milan A. Logan, Ph.D., *Instructor in Biological Chemistry.*

Mary D. Baker, A.B., *Research Associate in Biological Chemistry.*

Irvin S. Danielson, Ph.D., *Teaching Fellow in Biological Chemistry.*

Elmer H. Stotz, S.B., *Teaching Fellow in Biological Chemistry.*

Yellapragada Subba Row, Ph.D., *Austin Teaching Fellow in Biological Chemistry.*

First Year. The course in chemistry required for the degree in dental medicine is offered during the first semester only. It consists of approximately one hundred and ten hours of classroom exercises and three hundred and thirty hours devoted to laboratory experimentation. The subject matter covered will include a variety of topics selected from the following specialized fields of chemistry:

Inorganic Chemistry, emphasizing the chemical properties of the metals and the chemistry of some rarer elements useful in dentistry which are not ordinarily discussed in an elementary course.

Dental Metallurgy, including the preparation of some representative alloys and some methods for studying their properties. The principles of metallography will be discussed and exemplified as fully as practicable in the laboratory experiments.

Analytical Chemistry, sufficient to emphasize the fundamental principles involved in the separation, identification and quantitative measurement of the constituents of compounds. In the laboratory there will be opportunity to make studies of the composition of some substances useful in dentistry. The methods of analysis which will be studied will be chiefly those which can be used as tools in the portion of the course devoted to Physiological Chemistry.

Organic Chemistry, covering only those types of carbon compounds which participate in physiological processes, together with their transformation products, and those which have usefulness in dental medicine.

Physiological Chemistry, including the chemical aspects of the digestion, absorption, distribution, utilization, and excretion of the chief types of food. Emphasis will be placed upon the metabolism of minerals and their rôle in the functioning of the organism. This will culminate in a series

of experimental exercises designed to demonstrate the effect of some variations in the diet upon some important constituents — both organic and inorganic — of some body fluids.

Throughout the course the contributions of chemistry in all its aspects toward obtaining an understanding of the conditions for dental health will be stressed.

Text and Reference Books. — Conant, Organic Chemistry. Folin, Laboratory Manual of Biological Chemistry. Bodansky, Physiological Chemistry. Sherman, Chemistry of Food and Nutrition. Hammett, Solutions of Electrolytes. Gibson, Chemistry of Dental Materials. Ray, Metallurgy for Dental Students.

ADVANCED WORK

Advanced work in biological chemistry may be undertaken by properly qualified students.

Anatomy

John L. Bremer, M.D., *Hersey Professor of Anatomy.*

Frederic T. Lewis, M.D., *James Stillman Professor of Comparative Anatomy.*

George B. Wislocki, M.D., *Parkman Professor of Anatomy.*

Robert M. Green, M.D., *Assistant Professor of Applied Anatomy* and *Instructor in Gynaecology and in Obstetrics.*

David M. Rioch, M.D., *Assistant Professor of Anatomy.*

Harold L. Weatherford, Ph.D., *Assistant Professor of Anatomy.*

Allan L. Grafflin, M.D., *Associate in Anatomy.*

Torr W. Harmer, M.D., *Instructor in Anatomy* and *Assistant in Surgery.*

Henry G. Schwartz, M.D., *Instructor in Anatomy.*

The department occupies the Morgan Anatomical Building, the dissecting rooms being in the wing designated B I, and the laboratories for histology, embryology, and anatomy of the nervous system, in the wing B II. The class work is carried on by sections in unit rooms, designed to accommodate either sixteen or twenty-four students. Besides the numerous classrooms, which are well lighted and thoroughly equipped, there are ample accommodations for advanced students, and unusual facilities are at the disposal of qualified investigators. There is a large library which contains complete files of the most important anatomical and morphological journals, together with many standard works of reference, and in an adjoining room there is a collection of about fifteen thousand pamphlets. A card catalogue and a classified bibliography give ready access to the literature.

The Embryologieal Collection is a unique feature of the laboratory. It eomprises about twenty-three hundred series of sections of carefully seleeted vertebrate embryos, and affords therefore opportunities for research in eomparative embryology such as cannot be found elsewhere. The collection includes eighty series of sections of human embryos, several of whieh are of exeeptional value, among them being two of the very youngest stages of man yet obtained. The eollection of embryological models contains the standard series and many unique original models.

The regular eourses for dental students are described below.

Anatomy 1. Gross Anatomy. — A systematie dissection of the human body oeeupies one-half of the student's time during the second half-year, alternating with the eourse in Mieroscopie Anatomy. For the study of the bones and joints, a box of bones and a skull are issued for the period of the eourse to each student. Frequent oral quizzes are given in the laboratory as the dissection progresses. Demonstrations and a study of frozen seetions are a special feature of the eourse.

Text-books. — Cunningham, Text-book of Anatomy.

	Hours
Leetures and demonstrations	48
Disseetions	172

Assistant Professor Weatherford and assistant.

Anatomy 2. Microscopic Anatomy. — The first month is spent in a study of the eell, eell-division, and vertebrate embryology. Speeial attention is given to the development of the faee, the tongue, and to the structures surrounding the oral eavity. The months of Mareh, April, and May are devoted to the histology of the fundamental tissues and the organs, ineluding the teeth and assoeiated struetures, and to the gross and microscopic anatomy of the eentral nervous system. Throughout the eourse several quizzes of a praetieal nature, in the identifieation of tissues and organs, are given.

Text-books. — Bremer, Text-book of Histology. Orban, Dental Histology and Embryology.

	Hours
Leetures and demonstrations	48
Laboratory work	172

Assistant Professor Weatherford and assistant.

Dental Anatomy

Wilson C. Dort, D.M.D., *Associate Professor of Dental Anatomy.*
Herbert I. Margolis, D.M.D., *Instructor in Dental Anatomy.*

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Human Physiology. Howell, Text-book of Physiology. Macleod, Physiology and Biochemistry. Winton and Bayliss, Human Physiology.

October, November, December, and January.	HOURS
Laboratory experiments. Asst. Professor STILES and Dr. OSTER. *Mondays, Wednesdays, and Fridays in October and January, daily except Saturdays in November and December.*	150
Quizzes (14). *Once a week.*	12
Written tests (3). *One hour a month.*	3
Lectures (60). Asst. Professor STILES and Dr. OSTER.	60
Special demonstrations. Dr. OSTER.	15

INVESTIGATION

Any student, properly qualified, who desires to engage in physiological research will be welcomed into the laboratory and will be offered every facility for research which the laboratory affords.

HYGIENE, ORAL HYGIENE, AND PUBLIC HEALTH

FRED W. MORSE, JR., B.S., M.D., *Instructor in Bacteriology.*

Hygiene 1. General Hygiene. First Year. — A course of ten lectures and discussions on the problems of body efficiency and the prevention of disease. Physical examinations of the students are required. This course considers the normal functions of the body and its parts, leading to the study of the normal functions of the mouth in the second-year course on oral hygiene. Practical knowledge of the effect of exercise and play on bodily function is obtained in the gymnasium classes.

Hygiene 2. Oral Hygiene. Second Year. — The course in Oral Hygiene, given in coöperation with the Department of Operative Dentistry, is planned to show in detail how the mouth is normally designed and operated and the various local and systemic factors involved in the development and maintenance of health in the mouth, together with their correlations. Deviations from the normal design and function are studied to demonstrate how these deviations predispose to bacterial, chemical, and mechanical irritation in the mouth, predisposing disease.

The course is intended as a means of correlating, in the mind of the student, his science with clinical practice, so that he may understand the distinction between intelligent dentistry and mere technical skill.

Hygiene 3. Public Health. Fourth Year. — In a course of lectures on Public Health, matters of special interest to the dentist are dealt with. Special emphasis is placed on the prevention of disease and the establishment of more normal living. Methods for the accomplishment of these desirable conditions are presented to the students.

FIRST YEAR HOURS

Lectures. Dr. MORSE. *Twice a week for six weeks during the second half-year.* 12

SECOND YEAR

Lectures. Dr. MORSE, Dr. CUSHMAN, and special lecturers. *Once a week for fifteen weeks, beginning in January.* 15

FOURTH YEAR

Lectures. Dr. MORSE and special lecturers. *Once a week for eight weeks during the first half-year.* 8

PHARMACOLOGY

J. WILLIAM O'CONNELL, D.M.D., *Associate Professor of Pharmacology.*

Pharmacology 1. Materia Medica. Second Year. — Instruction is given by lectures and quizzes, to give the students the opportunity of becoming acquainted with the physical and chemical properties of the more important drugs. At frequent intervals demonstrations on animals will be given, showing the pharmacologic action of the more important classes of drugs.

Toxicology, the study of poisons, their antidotes and antagonists, also the treatment in cases of poisoning, receive careful attention.

Prescription writing and the incompatibility of drugs are adequately considered.

Pharmacology 2. Therapeutics. Third Year. — The use of drugs in pathological conditions, and the various methods of their administration, are described in detail. Particular attention is given to those which are of special interest to the dental practitioner. All therapeutic means and measures are given due consideration.

Written quizzes and conferences are held every three weeks throughout the year.

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Text-books. — Prinz, Dental Materia Medica and Therapeutics. Stevens, A Textbook of Therapeutics, Including the Essentials of Pharmacology and Materia Medica (7th edition). Bastedo, Materia Medica, Pharmacology, and Therapeutics.

Collateral Reading. — Cushny, Pharmacology and Therapeutics. United States Pharmacopoeia. American Medical Association, New and Non-official Remedies.

SECOND YEAR HOURS

Materia Medica. Lectures and Quizzes. Dr. O'CONNELL. *Once a week throughout the year.* 32

THIRD YEAR

	HOURS
Therapeutics. Lectures. Dr. O'CONNELL. *Once a week during the second half-year.*	15

PATHOLOGY

S. BURT WOLBACH, M.D., *Shattuck Professor of Pathological Anatomy.*
FREDERIC PARKER, JR., M.D., *Associate Professor of Pathology.*
GRANVILLE A. BENNETT, M.D., *Associate in Pathology.*
SIDNEY FARBER, M.D., *Associate in Pathology.*
TRACY B. MALLORY, M.D., *Associate in Pathology.*
HENRY PINKERTON, M.D., *Associate in Pathology.*
MONROE J. SCHLESINGER, M.D., *Associate in Pathology.*
SHIELDS WARREN, M.D., *Associate in Pathology.*
IRVING B. AKERSON, M.D., *Instructor in Pathology.*
ORVILLE BAILEY, M.D., *Instructor in Pathology.*
PAUL E. BOYLE, D.M.D., *Instructor in Pathology.*
ROBERT GROSS, M.D., *Instructor in Pathology.*
ARTHUR HERTIG, M.D., *Instructor in Pathology.*
PERCY R. HOWE, A.B., D.D.S., *Instructor in Pathology.*
CECIL A. KRAKOWER, M.D.C.M., *Instructor in Pathology.*
G. KENNETH MALLORY, A.B., M.D., *Instructor in Pathology.*
VALY MENKIN, M.D., *Instructor in Pathology.*
J. STEWART ROONEY, M.D., *Instructor in Pathology.*
REUBEN SCHULZ, M.D., *Instructor in Pathology.*
OTTO A. BESSEY, Ph.D., *Research Fellow in Pathology.*

REQUIRED COURSES

Pathology 1. General Pathology. Second Year.—The course in Pathology consists of laboratory work and lectures. The basis of the laboratory work is a systematic course in pathological histology. In connection with this there are demonstrations of fresh material and museum specimens bearing on the subjects studied. For demonstrations the class is divided into small sections. The demonstrations are given in connection with the subjects which are being studied, in rooms adjoining the main laboratory. Lectures are given three days in the week by Dr. WOLBACH and other members of the Department. The object of the lectures is to expand and coördinate the knowledge which the student obtains by the study of material and to introduce important recent advances not yet incorporated in text-books. No attempt is made to separate the subject of Pathology into general pathology and pathological anatomy, but the subject is studied as a whole. The student is taught methods of work, is given material, and

directed, but he is taught to work independently. Tumors and other material coming from the surgical clinics are made full use of in the course. Conferences and recitations will occasionally be substituted for regular laboratory work.

Special lectures and demonstrations of subjects of importance to dentists are given by Dr. Boyle throughout the course.

Second Year	hours
Lectures. Dr. Wolbach. *Mondays, Wednesdays, and Fridays, October through December.*	36
Laboratory work. Dr. Wolbach and instructors. *Two and a half hours, Mondays, Wednesdays, and Fridays, during the forenoons of October through December.*	90

Oral Pathology

Kurt H. Thoma, D.M.D., *Charles A. Brackett Professor of Oral Pathology.*

Leonard D. Nathan, D.M.D., *Instructor in Oral Pathology.*

Frederick A. Trevor, D.M.D., *Instructor in Oral Pathology.*

Burton J. Gove, D.M.D., *Instructor in Oral Pathology.*

Pathology 2. Oral Pathology. Third Year. — In this course the knowledge gained in general pathology is applied to the tissues of the mouth and teeth. The lectures and laboratory work are designed to promote a thorough understanding of oral and dental diseases, their symptoms, pathogenesis, and development. A study of the various clinical methods of examination used in diagnosis, particularly the roentgen method, is included. Great emphasis is placed, however, on histopathology, because this aspect is unsurpassed in giving the student a mental picture of the effect of disease on the various tissues involved. Each student is supplied with a set of slides containing sections of dental and oral lesions of which the history is known. The roentgen pictures belonging to these conditions are exhibited so that the clinical aspect of the case is related to microscopic investigation.

The course consists of lectures and laboratory work. The lectures are supplemented by the exhibition of lantern slides, photographs, gross specimens, roentgen pictures, and microscopic sections. In addition, informal discussions with demonstrations of clinical cases are held in the laboratory.

A collection of wax models of diseases of the teeth, lips, tongue, palate, and jaws is available for visual demonstration of rare lesions.

Text-books. — Thoma, Clinical Pathology of the Jaws. Kronfeld, Histopathology of the teeth.

Collateral Reading. — Bunting, Oral Pathology. Price, Dental Infections, Oral and Systemic. Thoma, Oral Roentgenology, 2d edition. Prinz and Greenbaum, Diseases of the Mouth and Their Treatment. Mead, Diseases of the Mouth. Selected articles from the literature.

Third Year	hours
Lectures. Professor Thoma. *Twice a week for four months.*	32
Laboratory exercises and demonstrations. Drs. Trevor and Gove. *Twice a week for four months.*	64
Colloquia. Professor Thoma and staff.	

Bacteriology

Hans Zinsser, M.D., *Professor of Bacteriology and Immunology.*
Fred W. Morse, Jr., B.S., M.D., *Instructor in Bacteriology.*
Carl T. Nelson, D.M.D., *Instructor in Bacteriology.*

With the assistance of others of the Staff of the Department of Bacteriology of the Medical School.

Bacteriology 1. Bacteriology and Immunology. Second Year. — Required bacteriology is taught by lectures and practical laboratory work. The lectures treat of the general subject and of methods of practical work. In the laboratory each student has an opportunity to become familiar with the simpler methods of manipulation and staining which are of especial clinical value, and with the more prominent of the pathogenic bacteria.

The microörganisms which are associated with dental disease and oral infections are particularly studied, and consideration given to the theories which have been advanced on the etiology of certain infectious processes in the mouth.

Opportunity is given to gain insight into the problems of immunity.

Second Year	hours
Lectures. Drs. Zinsser, Morse, and staff. *Tuesdays and Thursdays, October through January.*	32
Laboratory work. Dr. Morse and staff. *Two hours, Tuesdays and Thursdays, October through January.*	64

Operative Dentistry

Frank H. Cushman, S.B., D.M.D., *Professor of Operative Dentistry,* and *Chairman of the Department.*
Edwin C. Blaisdell, D.M.D., *Clinical Professor of Operative Dentistry, Emeritus.*
Amos I. Hadley, D.M.D., *Clinical Professor of Operative Dentistry.*

Martin B. Dill, A.B., D.M.D., *Clinical Professor of Operative Dentistry.*

Clarence B. Vaughan, D.M.D., *Assistant Professor of Clinical Dentistry.*

Harold E. Tingley, D.M.D., *Assistant Professor of Operative Dentistry.*

Leon E. Dulac, D.M.D., *Assistant Professor of Operative Dentistry.*

Arthur P. Young, D.M.D., *Assistant Professor in Operative Dentistry.*

John T. Timlin, D.M.D., *Instructor in Operative Dentistry.*

David F. Spinney, D.M.D., *Instructor in Operative Dentistry.*

Charles G. Pike, D.M.D., *Instructor in Operative Dentistry.*

Eugene B. Wyman, D.M.D., *Instructor in Operative Dentistry.*

Ernest V. L. Whitchurch, D.M.D., *Instructor in Operative Dentistry.*

Roger B. Taft, D.M.D., *Instructor in Operative Dentistry.*

Sterling N. Loveland, D.M.D., *Instructor in Operative Dentistry.*

Morton F. Yates, D.M.D., *Instructor in Operative Dentistry.*

Charles B. Sawyer, D.M.D., *Instructor in Operative Dentistry.*

Chester L. Sandiford, D.M.D., *Instructor in Operative Dentistry.*

B. Strout Stevens, D.M.D., *Instructor in Operative Dentistry.*

Francis P. Devlin, A.B., D.M.D., *Instructor in Operative Dentistry.*

Gordon Hall, D.M.D., *Instructor in Operative Dentistry.*

Paul B. LeBaron, D.M.D., *Instructor in Operative Dentistry.*

Joseph W. Nevins, D.M.D., *Instructor in Operative Dentistry.*

J. Gilbert Ray, D.M.D., *Instructor in Operative Dentistry.*

Louis Miskell, D.M.D., *Instructor in Operative Dentistry.*

Lawrence W. Bowers, D.M.D., *Instructor in Operative Dentistry.*

Paul E. Boyle, D.M.D., *Instructor in Operative Dentistry.*

Elbert S. Godfrey, D.M.D., *Instructor in Operative Dentistry.*

Ralph B. Lancaster, A.B., D.M.D., *Instructor in Operative Dentistry.*

Peter A. Dempsey, D.M.D., *Instructor in Operative Dentistry.*

Victor I. Merriam, D.M.D., *Instructor in Operative Dentistry.*

Roger J. Edwards, D.M.D., *Instructor in Operative Dentistry.*

Lee O. Smith, D.M.D., *Instructor in Operative Dentistry.*

Donald F. McCloskey, D.M.D., *Instructor in Operative Dentistry.*

Harry S. Saidel, B.S., D.M.D., *Instructor in Operative Dentistry.*

Edwin M. Scribner, D.M.D., *Instructor in Operative Dentistry.*

Milton L. Boyle, D.M.D., *Assistant in Operative Dentistry.*

Paul K. Losch, D.D.S., *Instructor in Operative Dentistry.*

Robert S. Wesson, D.M.D., *Instructor in Operative Dentistry.*

G. Earl Thompson, D.M.D., *Instructor in Operative Dentistry.*

G. Randolph Hubbard, A.B., D.M.D., *Instructor in Operative Dentistry.*

Hermann B. F. Seyfarth, D.M.D., *Instructor in Operative Dentistry.*

James W. Etherington, D.M.D., *Assistant in Operative Dentistry.*

Philip J. Pinel, D.M.D., *Assistant in Operative Dentistry.*

In the course in Operative Dentistry the mouth is considered from its standpoint as a masticating organ and as part of the body as a whole. Instruction is given by means of lectures, demonstrations, class-room discussions and clinical practice. It is systematically distributed through the last three years of the course.

At the beginning of the Sophomore year, the student is given a general perspective of the various mouth conditions in health and disease; the progress already made and the means used, in maintaining a healthy oral mechanism; and the various fields in which investigation is needed. From this point to the end of the Junior year, both class-room and clinical instruction is aimed at grounding the student in the fundamentals of separate operative procedures. For the first term, the principles of cavity preparation common for all types of restoration are taught by means of the preparation of cavities in plaster teeth and on the odontotype; and general infirmary procedures, such as use of rubber dam, wedges, operative instruments, etc., are shown. For the second and third terms, the class is assigned patients in the infirmary, where instruction is given in the theory and practice of the use of plastic filling materials, in odontexesis, and other therapeutic measures for the prevention and control of caries.

During the Junior year sections of the class take up the more advanced types of restoration of lost tooth substance, studying in both class-room and infirmary, foil fillings, inlays (both gold and porcelain), and the diagnosis and treatment of pathology of the pulp. Diseases of the periodontium are considered at length, early recognition of predisposing factors and the necessary corrective means being especially stressed.

In the Senior year an attempt is made to correlate, in the mind of the student, the various factors in the mouth leading to health and disease, so that a competent survey of the mouth as a whole can be made, and proper corrective and preventive treatment, where necessary, instituted. The relation of Oral to Systemic disease is shown.

The clinics are run in close coördination with the School Medical Clinics, and students are permitted to accompany their patients when referred thereto for systemic supporting treatment.

An organized group of small children for study and research in Pediodontia is available. Several children are assigned to each senior student for dental care throughout the year, and the student has opportunity for correlating the oral condition with the physical, through coöperation with the School Medical Clinic. Especial stress is placed on the importance of early treatment for the correction of mal-developments and the guiding of normal development of all the oral structures, as a means of establishing coördinations in those structures, leading to oral health in adult life.

Operative work and Orthodontia needed are conducted in the regular clinics under special instructors, so that comparison is possible with chil-

dren showing the evil effects on coördination, and thus on health, of early neglect of physical conditions in general, and those of the mouth in particular.

The student is taught the importance of winning the child's confidence and instructing him in oral health measures to be carried out at home.

Text-books. — Students are required to purchase Merritt's Periodontal Diseases; Woodbury's The Making and Filling of Cavities in the Proximal Surfaces of the Front Teeth with Gold Foil; and Hall's Pulpless Tooth Problems, in the Junior year and are urged to make frequent use of the library, which contains all the standard books on the subject, among these being the following: Black, Operative Dentistry; McGehee, Text-book of Operative Dentistry; American Text-Book of Operative Dentistry; Marshall, Operative Dentistry; Johnson, Text-Book of Operative Dentistry; Stillman and McCall, Clinical Periodontia.

Second Year	hours
Lectures. Drs. Tingley, Young, and Thompson. *Twice a week throughout the year.*	64

Third Year	
Lectures. Drs. Dulac, Yates, Young, and Seyfarth. *Twice a week during the first half-year; once a week during the second half-year.*	48

Fourth Year	
Lectures. Drs. Cushman and Losch. Oral Diagnosis and Children's Dentistry. *Twenty-five lectures during the first half-year.*	25

Second, Third, and Fourth Years

Practical work. Drs. Cushman, Hadley, Dill, Vaughan, Tingley, Dulac, Young, Timlin, Spinney, Pike, Wyman, Whitchurch, Taft, Loveland, Yates, Sawyer, Sandiford, Stevens, Devlin, Hall, LeBaron, Nevins, Ray, Miskell, Bowers, P. E. Boyle, Godfrey, Lancaster, Dempsey, Merriam, Edwards, Smith, McCloskey, Saidel, Scribner, M. L. Boyle, Losch, Wesson, Thompson, Seyfarth, Etherington, and Pinel.

X-Ray Department. — Dwight M. Clapp Foundation

Earle C. Cummings, D.M.D., *Assistant Professor of Roentgenology.*
Frank E. Wheatley, A.B., M.D., *Instructor in Roentgenology.*
Frederick R. McGrail, D.D.S. *Instructor in Roentgenology.*
Harold A. Bratt, D.M.D., *Instructor in Roentgenology.*

Philip H. White, A.B., D.M.D., *Instructor in Roentgenology.*
Joseph A. Conway, D.M.D., *Instructor in Roentgenology.*
George A. Sullivan, A.B., D.M.D., *Assistant in Roentgenology.*

The course in Oral Roentgenology comprises lectures, quiz-conferences, technical demonstrations, and clinical instruction. It begins in the second year with a technical consideration of X-radiation and its relation to radiography, and continues with an elementary study of the film product and the structural identification of the negative registration it portrays.

In the Junior year, a series of lectures is presented in which all phases of the subject pertaining to dental practice are considered. These are supplemented by laboratory instruction in the form of technical and clinical demonstration, quiz-conferences, and an opportunity for clinical practice under the direct supervision of a departmental instructor, wherein the student is taught the technique of high grade negative production and its relationship to efficient X-ray diagnosis.

Throughout the Senior year, each student, in the rotation of daily assignment, assumes the responsibilities and duties of clinical assistant to the Department. He is also given advanced technical instruction, as well as guidance in clinical diagnosis. Additional opportunities for clinical practice are offered to Seniors whereby their personally assigned cases may be handled by them under general supervision. The Roentgenological treatment of some of the general medical problems and its significance to dental practitioners of radiography, is considered in a brief series of lectures.

Collateral Reading. — Raper, Elementary and Dental Radiography. Raper, Radiodontia. McCoy, Dental and Oral Radiography. Simpson, The Technic of Oral Radiography. Thoma, Oral Roentgenology. Osgood, Teeth and Jaws. Ivy, Interpretation of Dental and Maxillary Roentgenograms. Browning, The Dental Radiogram. Pollia, Alveolo-Dental Radiology. Ennis, Dental Roentgenology.

Second Year — hours

Instruction Period. Dr. Cummings. *Once a week for thirteen weeks.* 13

Third Year

Lectures or Quiz-Conferences. Dr. Cummings. *Once a week for twenty weeks.* 20

Clinical Demonstrations and Practical Work. Dr. Cummings. *Daily throughout the year.* (Two students to each clinical period.) Each student, about 60

Fourth Year

Medical Roentgenology. Lectures by Dr. Wheatley. *Once a week for four weeks.* 4

	HOURS
Technical Demonstrations, Clinical Practice and X-ray Diagnosis. Dr. Cummings, assisted by Drs. Bratt, McGrail, White, Conway, and Sullivan. *Daily throughout the year.* (One student to each clinical period.)	Each student, about 60

Prosthetic Dentistry

Fred A. Beckford, D.M.D., *Professor of Prosthetic Dentistry.*
Norman B. Nesbett, D.M.D., *Assistant Professor of Prosthetic Dentistry.*
Richard B. Smith, D.M.D., *Assistant Professor of Prosthetic Dentistry.*
Arthur M. Maloney, D.M.D., *Associate Professor of Prosthetic Dentistry* and *Chairman of the Department.*
Arthur W. Hicks, D.M.D., *Instructor in Prosthetic Dentistry.*
Norman W. Swett, D.M.D., *Instructor in Prosthetic Dentistry.*
Henry J. Carney, D.M.D., *Instructor in Prosthetic Dentistry.*
John R. Wallace, D.M.D., *Instructor in Prosthetic Dentistry.*
Archie I. Fain, D.M.D., *Instructor in Prosthetic Dentistry.*
Oscar C. Jostedt, D.M.D., *Instructor in Prosthetic Dentistry.*
Raymond J. Nagle, D.M.D., *Instructor in Prosthetic Dentistry.*
Levon K. Daghlian, D.M.D., *Instructor in Prosthetic Dentistry.*
P. Reginald MacKinnon, D.M.D., *Instructor in Prosthetic Dentistry.*
Joseph H. Beck, D.M.D., *Instructor in Prosthetic Dentistry.*
John V. Blasi, D.M.D., *Instructor in Prosthetic Dentistry.*
Joseph P. Jazowski, D.M.D., *Instructor in Prosthetic Dentistry.*
Kenneth I. Starbird, D.M.D., *Assistant in Prosthetic Dentistry.*

The course in Prosthetic Dentistry extends from the second semester of the Sophomore year, through the Junior and Senior years.

During the Sophomore year and the first semester of the Junior year, the student is given a technical training in the construction of appliances used in prosthetic restorations. This includes a study of the noble metals and their alloys, plaster, compound, investment, etc., and the technique of casting, soldering, heat treatment, etc. Occlusion is studied and the student is taught the use of instruments whereby mandibular movement may be recorded and utilized in diagnosis and in construction of restorations.

In the second semester of the Junior year and continuing throughout the Senior year, the student is assigned to clinical practice and is required to complete satisfactorily a number of full and partial dentures and bridge cases. By means of lectures and demonstrations he is taught examination of the mouth, diagnosis, and treatment. Complete examination is required in all cases accepted for treatment and the importance of this preliminary work is shown. The correlation of prosthesis with the

other courses of instruction at the school is stressed and is taught in both lectures and clinical periods.

In addition to the regular prosthetic course, there is a surgical prosthetic clinic for the restoration of post-operative deficiencies. This work is carried on by special instructors and more advanced students and the completed cases are demonstrated so that all the students may see the methods of restoration.

Text-books. — Prothero, Prosthetic Dentistry. Campbell, Full Denture Prosthesis. Nichols, Prosthetic Dentistry. Kingsley, Oral Deformities. Kennedy, Partial Denture Construction. Peeso, Crown and Bridge. Doxtater, Crown and Bridge.

Second Year	HOURS
Lectures. Dr. Maloney. *Once a week during the second half-year.*	16
Demonstrations and Laboratory Practice. Drs. Maloney, Beck, Jazowski, and Fain. *Three times a week during January. Five times a week during the second half-year.*	276

Third Year	
Lectures. Drs. Beckford, Nesbett, Maloney, and Nagle. *Forty-two times throughout the year.*	44
Demonstrations and Laboratory Practice. Drs. Maloney, Blasi, Fain, and Starbird. *Five times a week for twelve weeks during the first half-year.*	160
Clinics and Clinical Demonstrations. Drs. Beckford, Hicks, Maloney, Nagle, Beck, and Jazowski. *Five times a week during January, and four times a week throughout the second half-year.*	220

Fourth Year	
Lectures. Drs. Beckford, Nesbett, and Smith. *Forty-eight times throughout the year.*	48
Demonstrations and Clinics. Drs. Beckford, Nesbett, Smith, Swett, Hicks, Carney, Wallace, Maloney, Jostedt, Nagle, MacKinnon, Beck, Jazowski, Blasi, Daghlian, and Starbird. *Five times a week throughout the year.*	400

Orthodontia

Lawrence W. Baker, D.M.D., *Professor of Orthodontia.*

Earnest A. Hooton, Ph.D., B.Litt., *Professor of Anthropology.*

Horace L. Howe, D.M.D., *Clinical Professor of Orthodontia.*

Adelbert Fernald, A.M., D.M.D., *Assistant Professor of Orthodontia.*

Fred R. Blumenthal, D.M.D., *Assistant Professor of Orthodontia* and *Director of the Graduate Course.*

Frank A. Delabarre, D.D.S., M.D., *Associate in Orthodontia.*

Alfred P. Rogers, D.D.S., *Associate in Orthodontia.*
William J. Speers, D.M.D., *Instructor in Orthodontia*
Louis M. Freedman, M.D., *Associate in Orthodontia.*
Ralph E. Gove, D.M.D., *Instructor in Orthodontia.*
Raymond L. Webster, D.M.D., *Instructor in Orthodontia.*
George N. Abbott, D.M.D., *Instructor in Orthodontia.*
Cleophas P. Bonin, D.M.D., *Instructor in Orthodontia.*
Ralph W. Short, D.M.D., *Instructor in Orthodontia.*
Shinji Fujishiro, D.D.S., D.M.D., *Instructor in Orthodontic Technique.*
Everett A. Tisdale, D.M.D., *Instructor in Orthodontia.*
Paul H. Newhall, A.B., D.M.D., *Instructor in Orthodontia.*

The course in Orthodontia begins at the opening of the second semester of the Junior year and extends throughout the remainder of that year and through the entire Senior year. The subject is taught by lectures supplemented by both laboratory training and practical work in the infirmary. The instruction in the courses offered is based on the principle that orthodontia is a mechanico-biological process.

In the Junior year the class-room teaching consists of lectures which serve as an introduction to the biological and mechanical principles upon which the subject is based. The teaching of the mechanical principles and orthodontic technique in these lectures serves as a basis for the laboratory course.

In the laboratory the class is divided into small groups — the object being to give the student individual instruction in orthodontic technique and in the construction of the various types of appliances used in modern orthodontia.

In the Senior year applied orthodontia is the dominant feature. The school offers an unlimited supply of clinical material so that each student has the opportunity of treating two or more cases of malocclusion, under the supervision of a clinical teacher.

The Senior laboratory teaching and the Senior lecture courses are carefully correlated with this clinical work. The lectures of the first semester deal principally with applied orthodontia, while those of the second semester are planned to carry the student further with the biological principles considered in the Junior year, including preventive orthodontia and a course on the Evolution of the Human Head by Professor Earnest A. Hooton.

In addition to the undergraduate teaching, the School offers a Graduate Course in Orthodontia, the announcement of which may be found on page 44.

Text-books. — Angle, Malocclusion of the Teeth (Seventh Edition). Dewey-Anderson, Practical Orthodontia (Fifth Edition). McCoy, Applied

Orthodontia (Fourth Edition). Johnson's Operative Dentistry (Third Edition), Section xxxiii, by Herbert A. Pullen.

Collateral Reading. — Macewen, The Growth of Bone. Sir Arthur Keith, Antiquity of Man, Menders of the Maimed. J. Arthur Thomson, Heredity. J. C. Brash, The Ætiology of Irregularity and Malocclusion of the Teeth. Earnest A. Hooton, Up from the Ape.

Third Year	HOURS
Lectures. Dr. Blumenthal. *Once a week for eight weeks.*	8
Demonstrations and Laboratory Exercises in Orthodontic Technique. Drs. Tisdale, Fujishiro, and Newhall. *Three hours a week from February throughout the remainder of the year.*	48

Fourth Year	
Lectures. Drs. Baker, Howe, Fernald, Blumenthal, and Tisdale. *Once a week for twenty-four weeks.*	24
Dr. Hooton. *Once a week for six weeks.*	6
Clinics. Drs. Howe, Gove, Bonin, Fujishiro, and Tisdale. *Seven hours a week throughout October and November. Three hours a week throughout balance of year.*	140

Syphilology

Austin W. Cheever, M.D., *Assistant in Dermatology and Syphilology.*

Third Year. — The course consists of lectures and clinical instruction given at the Massachusetts General Hospital, Out-Patient Department.

Students have an opportunity to see extra-genital chancres and the common skin eruptions, also many of the rarer manifestations of syphilis in the mouth and throat and non-syphilitic lesions that may be mistaken for syphilis. There are many patients showing changes in the teeth and jaws due to congenital syphilis.

Ward patients are utilized for teaching where they show conditions of interest from a dental standpoint.

Colored plates, photographs and plaster models of interesting or unusual manifestations are also employed.

Each student attends three exercises.

	HOURS
Lectures and clinical instruction given during the first half-year. Each student, 7	

Surgery, Surgical Pathology, Oral Surgery, and Anaesthesia

Leroy M. S. Miner, D.M.D., M.D., *Professor of Clinical Oral Surgery.*
Varaztad H. Kazanjian, D.M.D., M.D., *Professor of Clinical Oral Surgery.*

Harold A. Kent, D.M.D., *Assistant Professor of Oral Surgery* and *Chairman of the Division of Extracting and Anaesthesia.*

Halsey B. Loder, A.B., M.D., *Lecturer on Surgery and Surgical Pathology.*

Walter V. MacGilvra, D.D.S., *Lecturer on Anaesthesia.*

Oliver P. Wolfe, D.M.D., *Instructor in Extracting and Anaesthesia.*

John A. Breen, D.M.D., *Instructor in Oral Surgery.*

Chester F. Wolfe, D.M.D., *Instructor in Extracting and Anaesthesia.*

David D. Bloom, D.M.D., *Instructor in Oral Surgery.*

J. Mark Smith, D.M.D., *Instructor in Extracting and Anaesthesia.*

F. Chester Durant, D.M.D., *Instructor in Oral Surgery.*

John H. Jaffar, D.M.D., *Instructor in Extracting and Anaesthesia.*

Frank H. Leslie, D.M.D., *Instructor in Extracting and Anaesthesia.*

Charles J. Smith, D.M.D., *Instructor in Oral Surgery.*

Russell S. Phillips, D.M.D., *Instructor in Oral Surgery.*

Harold C. Robinson, D.M.D., *Instructor in Extracting and Anaesthesia.*

Harold A. Carnes, D.M.D., *Instructor in Extracting and Anaesthesia.*

Glenn W. Lawrence, D.M.D., *Instructor in Oral Surgery.*

Fred G. Rollins, D.M.D., *Instructor in Oral Surgery.*

William R. Pepin, S.B., D.M.D., *Assistant in Oral Surgery.*

Charles W. Crowley, D.M.D., *Instructor in Oral Surgery.*

Frederick A. Haley, D.M.D., *Instructor in Extracting and Anaesthesia.*

Moses S. Strock, D.M.D., *Instructor in Oral Surgery.*

William A. Walsh, A.B., D.M.D., *Instructor in Extracting and Anaesthesia.*

Edgar L. Abt, D.M.D., *Instructor in Extracting and Anaesthesia.*

Linwood H. Farrington, D.M.D., *Instructor in Extracting and Anaesthesia.*

Edward J. Durling, D.M.D., *Instructor in Extracting and Anaesthesia.*

George DeF. Bissell, D.M.D., *Instructor in Oral Surgery.*

Harry Stone, D.M.D., *Assistant in Extracting and Anaesthesia.*

Richard W. Lawrence, D.M.D., *Assistant in Extracting and Anaesthesia.*

George A. Sullivan, A.B., D.M.D., *Assistant in Roentgenology.*

Frank S. Carbone, D.M.D., *Assistant in Extracting and Anaesthesia.*

The course is arranged to develop a broad conception of general and oral surgery including the extraction of teeth.

Surgery 1. Physical Diagnosis. Third Year. — A course of sixteen lectures in Physical Diagnosis is given during the first half-year covering general diagnostic methods and procedures.

Surgery 2. Surgical Pathology. Third Year. — Lectures in Surgical Pathology begin in January, covering such general subjects as inflammation, suppuration, ulceration, necrosis, etc.

Surgery 3. Extracting and Anaesthesia. Third Year. — Demonstrations are given to small sections of the class, in which the fundamental problems of extraction are made clear. In these exercises students become familiar with forceps and lines of resistance in extracting and operate upon a dummy mounted with celluloid teeth.

Surgery 4. Oral Surgery. Extracting and Anaesthesia. Fourth Year. — Lectures on Principles of Surgery give the student a broad viewpoint of rules governing surgical procedures in general. These courses lead up to the lectures and demonstrations in Oral Surgery, together with clinics in the infirmary and hospitals. Clinics in dental and oral surgery are also held at the Massachusetts General Hospital with members of the teaching staff in attendance.

A course of lectures on extraction and nitrous oxide and oxygen anaesthesia is given, and practical instruction is given in the school clinic every day of the school year. Students are required to show proficiency in extraction and local anaesthesia in order to pass the examination in this department.

Text-books. — Da Costa, Modern Surgery. Brewer, Surgery. Warren, Surgical Pathology. Rose, Physical Diagnosis. Cabot, Physical Diagnosis. Brophy, Oral Surgery. Brown, Oral Surgery. Blair and Ivy, Essentials of Oral Surgery. Winter, Exodontia. Hewitt, Anaesthetics Fischer, Local Anaesthesia in Dentistry. Thoma, Oral Anaesthesia, Smith, Block Anaesthesia and Allied Subjects. Nevin and Puterbaugh, Conduction, Infiltration, and General Anaesthesia in Dentistry. Posner, Local Anaesthesia Simplified. Berger, Principles and Technique of the Removal of Teeth.

	THIRD YEAR	HOURS
Lectures.	Dr. MINER. *Once a week for sixteen weeks.*	16
	Dr. LODER. *Once a week for twenty weeks.*	20
Demonstrations.	Dr. KENT.	Each student, 6

	FOURTH YEAR	
Lectures.	Dr. MINER. *Once a week for sixteen weeks.*	16
	Dr. KAZANJIAN. *Once a week for twenty weeks.*	20
	Dr. MACGILVRA. *Once a week for eleven weeks.*	11
	Dr. KENT. *Once a week for twelve weeks.*	12
Surgery Clinics.	Drs. MINER, KAZANJIAN, KENT, SMITH, ROLLINS, PEPIN, STROCK, and BISSELL. *Twice a week throughout the year. Each student has about ten exercises.*	30

HOURS

Extraction Clinics. Drs. MacGilvra, O. P. Wolfe, C. F. Wolfe, J. M. Smith, Jaffar, Leslie, Robinson, Carnes, Haley, Walsh, Abt, L. H. Farrington, Stone, Lawrence, and Sullivan. *Daily throughout the year.*

Each student has about fourteen exercises. 42

Massachusetts General Hospital Clinics. Drs. Breen, Durant, Phillips, Rae, Lawrence, Crowley, and Strock.

Oral Medicine

George H. Wright, D.M.D., *Clinical Professor of Oral Medicine.*

Third Year. — The consideration of the relationship of dentistry to medicine is brought out in a course by Dr. Wright, supplemented by lectures on endocrinology, diseases of the heart and kidney, and diabetes by the leading specialists in the Harvard Medical School.

HOURS

Lectures. *Once a week during the first half-year.* 16

Seminars

George H. Wright, D.M.D., *Director.*

Third Year. — During the first half-year the Class is divided into small working groups of from two to five men each, to whom is assigned a definite subject for study under the direction of a tutor. Every second week students report in conference on the reading or laboratory work. Suggestions, evaluations and discussions of the various problems are considered. A complete essay or thesis is developed to indicate what the student has absorbed during three months of study. These papers are read before the entire group of men in the Junior Class, towards the end of the course.

HOURS

Seminars. Dr. Wright and assistants. *Once a week during the first half-year.* 48

Conduct of Practice

Edwin N. Kent, D.M.D., *Lecturer on Conduct of Practice*

Fourth Year. — A course of lectures, with opportunities for discussion and consultation, covering the general subject of office organization and management and embracing the selection of location and equipment, record keeping, routine office procedure, development of personal efficiency, psychology of professional success, professional ethics, and dental jurisprudence.

The aim of the course is to assist in the development of a practical and useful professional life, and lectures are given to the Senior class during the last half-year.

HOURS

Lectures. Dr. Kent. *Once a week for twelve weeks.* 12

COURSES FOR GRADUATES

The object of the graduate courses is to enable graduates in dentistr to continue their studies along lines in which they may be interested Attendance on such courses does not entitle a student to examination fo the degree. A certificate of attendance will be furnished when desired t students who have satisfactorily completed the requirements of the course attended.

The following courses are offered:

Orthodontia; a comprehensive course which familiarizes the studen with modern methods of diagnosis and treatment of all types of malocclu sion. Includes lectures, demonstrations, seminars and practical clinica experience. *Six mornings a week throughout the academic year.*

Oral Surgery; a clinical course, limited to four students. Include lectures and clinics at the Dental School and various hospitals.

In addition to these courses, students may be admitted to other depart ments of the School, upon approval of the heads of the departments, fo instruction in technical and clinical methods.

For further information in regard to graduate work, apply to the Dean's Office.

RESEARCH

Percy R. Howe, A.B., D.D.S., S.D., *Thomas Alexander Forsyth Professor of Dental Science.*

Harold L. Weatherford, Ph.D., *Assistant Professor of Anatomy.*

Arthur A. Libby, D.M.D., *Instructor in Dental Research.*

Moses J. Eisenberg, D.M.D., *Research Fellow in Dentistry.*

The laboratories of the Medical School offer facilities to members of the Faculty and to students who are interested in scientific investigation.

The laboratories work in coöperation with the clinical departments of the School in the compilation of scientific data from the wealth of material available. There is an increasing use of the laboratories by students in the checking up of their clinical procedures.

The investigations of biological problems of dental significance are undertaken in the various departments.

University Committee on Research in Dental Medicine. — Through this Committee, with representatives from the Faculty of Arts and Sciences and from the Medical and Dental Schools, an effort is being made to broaden the basis of dental research. Under a grant from the Milton Fund investigation is now being pursued in deficiency diseases, and their effects on the teeth, in the Department of Pathology in the Medical School, where

a chemical laboratory has been established and a research chemist works on a full-time basis.

The Harriet Newell Lowell Society for Dental Research. — In 1907, Miss Harriet Newell Lowell bequeathed to the Harvard Dental School a sum of money, the interest to be applied each year to dental research. In addition to the appointment of a special research worker and a research committee of five men, the Administrative Board formed the Harriet Newell Lowell Society for Dental Research. The object of the Society is to interest the students in research. Its president and a majority of its executive committee are students, and meetings are held in the School building. A well-equipped research laboratory is open for the use of the students and teachers who are interested in scientific investigation.

Officers. — W. L. Wilson, *President;* M. H. Robarge, *Vice-President;* C. T. Lawrenee, *Student Treasurer;* E. B. Jump, A.B., *Student Secretary.*

Executive Committee. — Dean Leroy M. S. Miner, D.M.D., M.D., Se.D., *Chairman;* Lawrenee W. Baker, D.M.D.; H. L. Weatherford, Ph.D.; Kurt H. Thoma, D.M.D.

CLINICAL ADVANTAGES

The Dental School is established in Boston in order to secure those advantages for Clinical Instruction which are found only in large cities.

The clinics of the Dental Hospital afford an unlimited number of patients so that each student receives abundant practice in all branches of Dentistry.

At midyears of the second year, after finishing his technique work on the Odontotype, each student is assigned a chair in the Operative Infirmary and begins work on patients. Each student is required to operate eighteen hours a week throughout the second year; and fifteen hours a week throughout the third and fourth years.

Each student is assigned a bench in the Prosthetic Laboratory in the second year and is required to work in the Laboratory nine hours a week during January, and fifteen hours a week throughout the second half-year, and until January 1 of the third year. At this time patients are assigned and the student works in the Prosthetic Infirmary or the Laboratory fifteen hours a week during the remainder of the third year and throughout the fourth year.

University Dental Health Service, Hygiene Building. — Associated with the clinics of the Dental School, and in coöperation with the Department of Hygiene, is the dental health service for Harvard College students and members of the graduate schools in the University. In addition to dental examinations of all Harvard College freshmen, the health service

includes the supervision of their dental problems. This service is under the directorship of Morton F. Yates, D.M.D., with the following members of the teaching staff: Edward J. Durling, D.M.D., and G. Randolph Hubbard, A.B., D.M.D.

The Peter Bent Brigham Hospital. — This general hospital has been in active operation since February, 1913. The hospital is for general medical and surgical cases, and is situated on ground adjacent to the Medical School buildings. Dr. Henry A. Christian, Hersey Professor of the Theory and Practice of Physic, and Dr. Elliott C. Cutler, Moseley Professor of Surgery, in the Harvard Medical School, have been appointed by the trustees of the Hospital Physician-in-chief and Surgeon-in-chief respectively. Dr. Leroy M. S. Miner, Professor of Clinical Oral Surgery in the Harvard Dental School, is Consulting Dental Surgeon.

Dr. M. S. Strock, Instructor in Oral Surgery, and Visiting Dental Surgeon at the Brigham Hospital conducts ward walks for the Senior dental students.

The Massachusetts General Hospital. — Clinics are held in the Out-Patient Department in Medicine, Surgery, Dentistry, Children's Medical, Dermatology, Genito-Urinary, Laryngology, Orthopedics, and Syphilis. The following have been established: Anaphylaxis, Arthritis, Cardiac, Convalescent, Dental, Diabetic, Infantile, Industrial, Massage, Non-pulmonary Tuberculosis, Nutrition, Vaccine Treatment, and X-ray Treatment.

The Dental and Oral Surgery Clinic is open on the forenoons of Monday, Wednesday, and Friday and is administered by the following staff, several of whom teach in the surgical course at the Dental School:

Leroy M. S. Miner, D.M.D., M.D., Sc.D., Oral Surgeon and Chief of Dental Staff. Dental Surgeons: John A. Breen, D.M.D.; F. Chester Durant, D.M.D.; Robert G. Rae, D.M.D.; Glenn W. Lawrence, D.M.D. Assistant Dental Surgeons: Harold A. Carnes, D.M.D.; Russell S. Phillips, D.M.D.; Frank I. Rhodes, D.M.D.; Charles W. Crowley, D.M.D.; Louis Miskell, D.M.D.; Frederick A. Haley, D.M.D.; Moses S. Strock, D.M.D.; James E. Donahue, D.M.D.; Peter A. Dempsey, D.M.D.; Harold A. Bratt, D.M.D.

Sections for clinical studies at the Nose and Throat Department. Wednesdays, Assistant Professor Wright.

LIBRARIES AND MUSEUMS

The College Library at Cambridge is open to students, and also the Library of the Boston Medical Library Association, which has a dental section containing a large and very complete collection of dental literature. It includes the libraries of the American Academy of Dental Science

and the Massachusetts Dental Society. There is a good reference library of modern books, including encyclopaedias, systems, etc. The Library is open daily, except Sundays and holidays, from 9 A.M. to 6 P.M.

The Dental School Library, STERLING N. LOVELAND, D.M.D., *Librarian*, contains about 4,100 especially selected volumes to which the students and graduates of the School have free access. The Library is open on week days from 9 A.M. to 5.30 P.M., on Saturdays until 1 P.M., and on Wednesday evenings from 7 until 9 P.M.

The Boston Public Library is open to students who are inhabitants of Boston. Students, not inhabitants of Boston, who have filed a bond at the Bursar's office may also use this Library.

The Boston Medical Library, No. 8 The Fenway, one of the largest medical libraries in this country, is open to those who desire to consult medical literature, on week days from 9.30 A.M. to 10 P.M., on Saturdays till 6 P.M.

The Dental Museum, in charge of ADELBERT FERNALD, A.M., D.M.D., *Curator*, offers unusual facilities for study of the teeth. The pathological anatomy of the teeth is shown by more than 2,050 specimens, among which are dissected teeth showing formations of secondary dentine in the pulp cavity, and also many rare specimens showing the development of dental science. There are 1,000 specimens of human and comparative anatomy, illustrating a wide range of knowledge. Specimens have been arranged in chronological order and many new features have been added, including mineral ores most used by dentists, such as gold, silver, platinum, iron, copper, zinc, and mercury.

The Museum has recently acquired many valuable specimens, including models of mouths of the vegetable eaters of Yucatan which show deplorable and unsanitary conditions, as well as models of the mouths of the meat eaters of the extreme northern coast of Labrador, Baffin Land and Etah, which are nearly perfect. These models are very interesting for future study of these primitive people.

The Warren Anatomical Museum of the Harvard Medical School was founded in 1847 by JOHN COLLINS WARREN, of the College Class of 1797, Adjunct Professor of Anatomy and Surgery from 1809 to 1815, Hersey Professor of Anatomy and Surgery from 1815 to 1847, Professor *Emeritus* from 1847 to his death in 1856, son to JOHN WARREN, the first Hersey Professor of Anatomy and Surgery. This important Museum is open to students in the School, and its collections are used in demonstration of the lectures.

The collection has over eleven thousand specimens, illustrating both normal and pathological anatomy. Students may have access to these specimens at any time upon application to the Curator.

Besides dissections and serial sections of many bones, the anatomical collection includes many corrosion preparations, plaster and papier mache models of bones, organs, and various parts of the body, and frozen sections.

The pathological collection is being constantly enlarged by the addition of numerous specimens, preserved in their natural colors.

Exhibits of specimens illustrating topics of special interest are made from time to time.

PHILLIPS BROOKS HOUSE

Harvard University

The Dental School Society, a branch of the Phillips Brooks House Association, represents the religious, philanthropic, and social interests among the students in the Harvard Dental School. Membership in the society is open to any student who is in sympathy with any one or more of these objects. The society maintains an information bureau at the opening of the college year, at which catalogues, pamphlets, maps, and lists of boarding houses investigated and approved by the school are furnished. It also organizes discussion groups and conducts meetings addressed by leading men in the dental profession, the main object of these meetings being to present the ethical side of the profession. The society is also planning to organize an employment bureau.

FELLOWSHIPS AND SCHOLARSHIPS

The scholarships listed below apply to the Dental students only. Awards for the current year are made by the Committee on Scholarships in January. Owing to the limited funds available, it is the policy of the Committee to give preference to third and fourth-year students, although occasional awards may be made to second-year students whose work is outstanding.

Applications should be presented at the Dean's office on forms provided for the purpose, not later than January 1.

The Alford Fund (1785); Mrs. Joanna Alford. With an income of $300, "to be used for scholarships for those students who are under low and indigent circumstances."

The Dwight M. Clapp Scholarship; with an income of one hundred and twenty-five dollars. Established in 1926 by the will of Clara Josephine Clapp in memory of her husband, Dwight M. Clapp, D.M.D. 1882. For a student born in Massachusetts, preferably one who has had a college education or training of a classical character, or who has such educational qualifications as are prescribed for admission to the Harvard Medical School.

The Joseph Eveleth Scholarship; with an income of $250, founded by Joseph Eveleth of Boston and Watertown, Sheriff of Suffolk County from 1840 to 1855, except in 1853.

The Thomas Alexander Forsyth Scholarship Fund (1929), with an income of seven hundred and fifty dollars, to be given each year to two worthy and deserving students in the Dental School who are desirous of becoming dentists and who have passed the requirements of scholarship, the income to be given to the same men until they have completed their course at the school.

The Eugene Hanes Smith Scholarship. In 1920, in recognition of Dean Smith's twenty-five years of service to the Dental School, the Harvard Dental Alumni Association gave a sum of money for the establishment of a scholarship, to be known as The Eugene Hanes Smith Scholarship. The income from this fund will be awarded annually to a worthy and meritorious student in the third or fourth year of the Dental School, who has been a student in regular standing during the first and second years. The income may be divided between two students at the discretion of the Dental Committee on Scholarships.

Peter E. Strauss Scholarship with an income of five hundred dollars. Established in 1922, under the will of Emily R. M. Strauss of Boston, in memory of her husband.

The Alumni Loan Fund. The sum of approximately six thousand dollars has been received from the Harvard Dental Alumni Association and from the Dental Classes of 1900, 1901, 1902, 1904, 1905, 1906, and 1908 to be used as a loan fund to aid any deserving students who require financial assistance.

The Christian Soldier Fund; a loan fund established in 1924 by Miss Caroline F. Anderson, of Brookline, for the benefit of needy and deserving students.

The Robert T. Moffatt Fund, a loan fund established by Dr. Robert T. Moffatt of Boston for the benefit of deserving students who are in need of financial aid.

UNIVERSITY SCHOLARSHIPS

In addition to the foregoing scholarships which apply only to students in the Dental School, a certain number of scholarships and gratuities in the University are available. These financial aids are awarded to such men among those applying for and needing assistance as give evidence of having done the best work either in this School or in a preparatory course elsewhere.

Application should be made to Dean Kenneth B. Murdock, Chairman of the Committee on General Scholarships and on the Sheldon Fund.

Students who have not been able to obtain scholarships often find time and opportunity to do outside work of various kinds in the city.

The Daniel A. Buckley Scholarships; with an income of two hundred and fifty dollars each, for graduates of the public schools of the city of Cambridge.

Lewis and Harriet Hayden (1894). Mrs. Harriet Hayden. Open to colored students in the Medical School, in the School of Public Health, and in the Dental School. May be divided between two or more colored students. If not awarded in these schools, this scholarship is open to colored students in any other department of the University. Three hundred dollars.

The Parker Fellowship. Established in 1873 in memory of John Parker, Jr., with an income of forty-five hundred dollars, for the instruction, education and maintenance of one or more students of eminent natural talents or genius for some one or more of the sciences taught in the University. Available for study at the University or in foreign countries.

The Princeton Fellowship; with a stipend of six hundred dollars. From a graduate of Princeton University, to be awarded to a graduate of that University studying in any department of Harvard University.

Franklin Reynolds (1929). John F. Reynolds. For students in any department of Harvard University who are natives of Marblehead, Massachusetts. Applications should be made to the President's Office on recommendation of the Dean of the school where the applicant is registered. Six, each six hundred dollars.

The Frederick Sheldon Fund for Travelling Fellowships. The income of this Fund is available for students in any Department of the University. For particulars see University Catalogue.

The William Stoughton Scholarship; with an income of twenty-one hundred and fifty dollars. One or more scholarships in any department of the University, from the income of the bequest under the will of Governor Stoughton, preference being given, first, to students of Dorchester, and second, if there be none such, to students of the town of Milton.

TABULAR VIEW — 1935-36

FIRST YEAR — FIRST HALF-YEAR

Medical School

	SEPTEMBER–JANUARY 11	JANUARY 13–25
	MONDAY–SATURDAY	MONDAY–SATURDAY
9–1	Chemistry, daily	January 13, 15, 17, Chemistry Other days, Dental Anatomy
2–5.30	Sept., Oct., and Jan., Physiology, Mon., Wed., and Fri. Chemistry, Tues. and Thurs. Nov. and Dec., Physiology, daily except Saturday	

FIRST YEAR — SECOND HALF-YEAR

	JANUARY 27 to FEBRUARY 29	MARCH, APRIL AND MAY	
	MONDAY–SATURDAY	MONDAY–FRIDAY	SATURDAY
9–1	Dental Anatomy	Anatomy, Mon., Wed., and Fri. Histology, Tues. and Thurs.	Dental Anatomy until Apr. 1
2–5.30	Embryology, daily except Saturday		

SECOND YEAR — FIRST HALF-YEAR, 1935-36

	SEPTEMBER-DECEMBER						JANUARY					
	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
8.45–9.45	General Pathology	Oper. Dent. L.	General Pathology	Oper. Dent. L.	General Pathology	Materia Medica L.	Prosthetic Dent. L.	Oper. Dent. L.	Radiography L.	Oper. Dent. L.	Oral Hygiene L.	Materia Medica L.
10–1	H. M. S.	Oper. Tech.	H. M. S.	Oper. Tech.	H. M. S.	Oper. Tech.	Operative Dentistry					
2–5.30	Oper. Tech.	Bacteriology	Oper. Tech.	Bacteriology	Oper. Tech.		Pros. Tech.	Bacteriology	Pros. Tech.	Bacteriology	Pros. Tech.	

SECOND YEAR — SECOND HALF-YEAR

FEBRUARY–JUNE

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8.45–9.45	Prosthetic Dentistry L.	Operative Dentistry L.	Materia Medica L.	Operative Dentistry L.	Oral Hygiene L. until May 1	Radiography L. until April vacation
10–1	Operative Dentistry					
2–5.30	Prosthetic Technique					

SEPTEMBER-JANUARY

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8.45–9.45	Oper. Dent. L.	Physical Diagnosis L.	Oper.* Dent. L.	Prosthetic Dent. L.	Radiography L. Prosthetic Dent. L. Surgical Pathology L. beginning January 10	Oral Medicine L.
10–1	Operative Dentistry Syphilology**	Operative Dentistry	Operative Dentistry	Operative Dentistry	Operative Dentistry Syphilology**	Prosthetic Tech. Syphilology**
2–5.30	Prosthetic Tech.	Prosthetic Tech.	Prosthetic Tech.	Prosthetic Tech.	Seminars	

FEBRUARY-JUNE

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8.45–9.45	Prosthetic Dent. L.	Radiography L.	Prosthetic Dent. L. Orthodontia L. alternating	Surgical Pathology L.	Therapeutics Lect.	Operative Dent. Lect.*
10–1	Operative Dent.* Syphilology**	Orthodontia Tech.	Operative Dent.*	Operative Dent.*	Operative Dent.* Syphilology**	Prosthetic Dent. Syphilology**
2–5.30	Prosthetic Dent.	Oral Pathology H. M. S.	Prosthetic Dent.	Prosthetic Dent.	Oral Pathology H. M. S.	

* Class divided in 3 sections; Periodontia, Inlay, Gold Foil.

** Small sections of class.

FOURTH YEAR, 1935–36

SEPTEMBER–JUNE

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8.45–9.45	Prosthetic Dentistry L.	Oral Diagnosis L. 4 weeks Extracting and Anaesthesia L. 12 weeks Principles of Surgery L.	Prosthetic L. alternating with Gas-Oxygen Anaesthesia L.	Orthodontia L. 24 weeks	Oral Diagnosis L. 10 weeks Clinical Oral Surgery L.	Pediodontia 8 weeks Public Health Dentistry L. 8 weeks Conduct of Practice L., 12 weeks
10–1	Prosthetic Dentistry X-ray*	Prosthetic Dentistry Surgery* X-ray*	Prosthetic Dentistry X-ray* Gas-Oxygen Clinic*	Prosthetic Dentistry X-ray*	Prosthetic Dentistry Surgery* X-ray*	Orthodontia during October Operative, beginning Nov. 9 Extracting*
2–4	Operative Dentistry X-ray* Extracting*	Operative Dentistry X-ray* Extracting*	Operative Dentistry X-ray* Extracting*	Operative Dentistry X-ray* Extracting*	Operative Dentistry X-ray* Extracting*	
4–5.30		Orthodontia	Gas-Oxygen Clinic*	Orthodontia during October	Orthodontia after November 2	

* Class in small sections.

DENTAL SCHOOL

Graduate Students

Name	Home Residence
Beckenstein, Samuel, D.D.S. (*Baltimore Coll. of Dental Surgery*) 1935.	*Norwich, Conn.*
Moran, Leo Francis, D.D.S. (*Univ. of Pittsburgh*) 1924.	*Wilkes-Barre, Pa.*
Rhein, Charles Smith, D.D.S. (*Univ. of Pennsylvania*) 1930.	*Harrisburg, Pa.*
Smathers, Herbert Way, D.D.S. (*Atlanta-Southern Dental Coll.*) 1924.	*Charleston, S.C.*
Truhan, Edward Louis, D.D.S. (*Univ. of Pittsburgh*) 1928.	*Allport, Pa.*

Fourth Year

Baker, Joseph Henry (*Tufts Coll.*).	*Amesbury*
Bodnar, Albert Edward (*Manhattan Coll.*).	*Bridgeport, Conn.*
Burke, Paul Frederick (*Tufts Coll.*).	*Arlington*
Capobianco, Michael Thomas (*Tufts Coll.*).	*Medford*
Carmiol, Hermann Walter (*St. Mary's Coll., Calif.*).	*San Jose, Costa Rica*
Clow, John Hildreth (*Univ. of New Hampshire*).	*Wolfeboro, N.H.*
Cutler, Maurice Karl, A.B. (*Brown Univ.*) 1932.	*Beverly*
Danforth, George Howard (*Boston Univ.*).	*Lynn*
Degnan, John Benedict (*Tufts Coll.*).	*Concord, N.H.*
Donahue, George Joseph, PH.B. (*Boston Coll.*) 1931.	*Boston*
Dwyer, Thomas Francis, A.B. (*Coll. of the Holy Cross*) 1931.	*Providence, R.I.*
Ehleider, Charles Austin Jenness, A.B. (*Williams Coll.*) 1931.	*Poughkeepsie, N.Y.*
Esersky, Joseph, A.B. (*Dartmouth Coll.*) 1931.	*Claremont, N.H.*
Flanigan, Justin Edward, A.B. (*Univ. of New Hampshire*) 1930.	*Portsmouth, N.H.*
Friedman, Louis (*Rhode Island State Coll.*).	*Newport, R.I.*
Hornbaker, Robert Weeks (*Massachusetts State Coll.*).	*Worcester*
Jump, Ellis Burnett, A.B. (*Dartmouth Coll.*) 1932.	*Boston*
Killilea, John Francis (*Tufts Coll.*).	*Malden*
Kraus, Frank Robert, S.B. (*Alfred Coll.*) 1932.	*Queens Village, L.I., N.Y.*
Leander, Carl Thorsten, S.B. (*Massachusetts Inst. of Technology*) 1921.	*Jamaica Plain*
MacDonald, Dexter Reynolds, A.B. 1932.	*Greenfield*
Michelson, George (*Massachusetts State Coll.*).	*Dorchester*

Migliaccio, Nicolo Joseph, S.B. (*Rhode Island State Coll.*) 1932. *Providence, R.I.*
Nowald, Franklin, A.B. (*Emmanuel Missionary Coll.*) 1925. *W. New York, N.J.*
Ostrowski, Edward John, S.B. (*Tufts Coll.*) 1932. *Holyoke*
Parker, Charles Cheney (*Harvard Univ.*). *Newton Highlands*
Phillips, Lazarus Michael (*Tufts Coll.*). *Quincy*
Rapoport, Harold, A.B. 1931. *Hartford, Conn.*
Sunderhaft, Paul Francis, 2d (*Brown Univ.*). *Lowville, N.Y.*
Sweetnam, George Holmes (*Univ. of Maine*). *Bedford*
Swift, Thomas Henry (*Univ. of North Carolina*). *Mt. Vernon, N.Y.*
Szekely, Richard Arthur (*Bucknell Univ.*). *Hillside, N.J.*
Tarule, John Anthony (*Univ. of New Hampshire*). *Nashua, N.H.*
Tisdall, Oliver Frederic (*Harvard Univ.*). *Newport, R.I.*
Underwood, Charles Milton (*Columbia Univ.*). *Brooklyn, N.Y.*
Wilson, William Lincoln (*Tufts Coll.*). *Everett*
Winkler, Louis Benedict, S.B. (*Univ. of New Hampshire*) 1924. *Exeter, N.H.*
Zazzaro, Michael John, S.B. (*Trinity Coll.*) 1932. *Hartford, Conn.*

Third Year

Cloutier, Charles Wilfred (*Fordham Univ.*). *Lewiston, Me.*
DeClue, Bertrand Leslie (*Colgate Univ.*). *Hempstead, L.I., N.Y.*
Downes, Arthur Bruce (*Rensselaer Polytechnic Inst.*). *Hartford, Conn.*
Duxbury, Paul Pulver (*Univ. of Michigan*). *Pine Plains, N.Y.*
Fischel, Edwin, B.H. (*Liceo de Costa Rica*) 1933. *San Jose, Costa Rica*
Green, Leonard Bernard (*Bates Coll.*). *Brookline*
Handy, Nathaniel Alexander (*Boston Univ.*). *Newport, R.I.*
Holland, Daniel Joseph, Jr. (*Tufts Coll.*). *Chelsea*
Jodoin, Jacques Amable, A.B. (*St. Hyacinthe's Coll.*) 1931. *Fitchburg*
Lunt, Walter Irving, S.B. (*Providence Coll.*) 1933. *Providence, R.I.*
Nichols, Kenneth Edward (*Bates Coll.*). *Reading*
Noss, George Maxwell, A.B. 1933. *Dorchester*
Robarge, Morton Harvey (*Univ. of Notre Dame*). *Malone, N.Y.*
Rosenson, Herbert James (*Massachusetts State Coll.*). *Revere*
Sack, Mitchel (*Providence Coll.*). *Central Falls, R.I.*
Sannella, Francis Mize, S.B. (*Rhode Island State Coll.*) 1933. *Providence, R.I.*
Sawyer, Norman Pierce (*Bates Coll.*). *Cornish, Me.*
Scribner, Charles Egbert (*Harvard Univ.*). *W. Medford*
Solomon, Barnett (*Massachusetts State Coll.*). *Mattapan*
Strock, Alvin Edward, A.B. (*Dartmouth Coll.*) 1933. *Jamaica Plain*
Sullivan, Allyn Frederick, A.B. (*Providence Coll.*) 1932. *Providence, R.I.*
Sullivan, George Augustine, Jr., A.B. (*Coll. of the Holy Cross*) 1933. *Milton*

Thayer, Paul Leo, PH.B. (*Brown Univ.*) 1931. *Riverside, R.I.*
Tierney, Oswald Edward, S.B. (*Providence Coll.*) 1933. *Providence, R.I.*
Trainor, Thomas Francis, A.B. (*Coll. of the Holy Cross.*) 1932. *Cambridge*
Troom, Ross, Jr. (*Harvard Univ.*). *Hingham*
Veinberger, Benjamin (*Massachusetts State Coll.*). *Dorchester*
Velermyer, Max, A.B. 1933. *Roxbury*

Second Year

Aaron, Julius Arthur, A.B. (*Dartmouth Coll.*) 1933. *Greenfield*
Archambault, Gerard Phillip (*Providence Coll.*). *W. Warwick, R.I.*
Barrett, George Edward, Jr. (*Fordham Coll.*). *E. Orange, N.J.*
Berry, Ernest Combs (*Univ. of Vermont*). *Rutland, Vt.*
Bliss, Frank Farnell (*Massachusetts Inst. of Technology*). *Cranston, R.I.*
Blum, Samuel Irving, S.B. (*Providence Coll.*) 1934. *New Haven, Conn.*
Brown, John Crichton, A.B. 1934. *Concord, N.H.*
Davenport, Sebert Ellsworth, 3d, A.B. 1934. *Forest Hills Gardens, L.I., N.Y.*
Donsanto, Leonard Nicholas (*Univ. of Pennsylvania*). *Brighton*
Doscher, John Henry (*Moravian Coll. and Theological Sem.*). *Ridgefield, N.J.*
Eaton, John Brady, A.B. (*Acadia Univ.*) 1934. *Wolfville, N.S.*
Fisher, Murray Richard, S.B. (*New York Univ.*) 1934. *Brooklyn, N.Y.*
French, Vernon Richmond (*Mount Union Coll.*). *Lowell*
Gage, Stanley Ashton, Jr. (*Middlebury Coll.*). *New Rochelle, N.Y.*
Goodman, Nathan, S.B. (*Massachusetts Inst. of Technology*) 1934. *S. Boston*
Haynes, Ernest Robert, S.B. (*Tufts Coll.*) 1934. *W. Warwick, R.I.*
Hunt, John Warren (*Colby Coll.*). *Gardiner, Me.*
Jones, Thomas James, Jr., PH.B. (*Boston Coll.*) 1933. *Woburn*
Lambertson, William Andrew (*Moravian Coll. and Theological Sem.*). *Freehold, N.J.*
Lapolla, Raymond Roland (*Tufts Coll.*). *Providence, R.I.*
Lawrence, Charles Temple (*Univ. of New Hampshire*). *Manchester, N.H.*
Lee, Harry Joseph (*St. John's Coll.*). *Old Westbury, L.I., N.Y.*
Lucas, Lawrence, S.B. (*Tufts Coll.*) 1934. *Boston*
McCann, Charles Francis, A.B. (*Providence Coll.*) 1933. *Providence, R.I.*
Marcotte, Yvon Weippert (*Bates Coll.*). *Lewiston, Me.*
Marran, Vincent Peel, Jr. (*Coll. of the Holy Cross*). *Holyoke*
Matteson, William Giles, Jr., S.B. (*Middlebury Coll.*) 1934. *Albany, N.Y.*
Messier, Henry Edward (*Boston Univ.*). *Taunton*
Novogroski, Allen Irwin, PH.B. (*Brown Univ.*) 1933. *Westerly, R.I.*
O'Neill, Gerald Lyne (*Coll. of William and Mary*). *Mattapan*
Parker, George Deming (*Harvard Univ.*). *Needham*
Parsons, Donald Whitman (*Univ. of North Carolina*). *Scituate*

Pierson, Harold LaSalle, S.B. (*Syracuse Univ.*) 1934. *Bloomfield, N.J*
Roos, Donald Abraham (*Connecticut State Coll.*). *Brooklin*
Tronic, Jesse James, S.B. (*Univ. of Virginia*) 1933. *Worceste*
• Zaritzky, Samuel, S.B. (*Boston Univ.*) 1932. *Chelse*
Zimmerman, Herbert Irving, A.B. (*Yale Univ.*) 1934. *New Haven, Conn*

First Year

Bailey, Harry Kiessling, S.B. (*Hamilton Coll.*) 1935. *Rutherford, N.J*
Bernstein, Harry Bernard, S.B. (*Massachusetts State Coll.*) 1934. *Everet*
Brady, Charles Richard (*Providence Coll.*). *Providence, R.I*
Carney, Gilbert Dudley, A.B. (*Boston Coll.*) 1934. *Everet*
Cohen, Howard Stanley (*Massachusetts State Coll.*). *Dorcheste*
Connolly, James Edward, A.B. (*Boston Coll.*) 1935. *Salen*
Coombs, Robert Lincoln, S.B. (*Bates Coll.*) 1935. *Brockto*
Craig, Seth Clayton, Jr., S.B. (*Hamilton Coll.*) 1935. *Newburgh, N.Y*
Cunningham, James Herbert (*Univ. of Maien*). *Bar Harbor, Me*
Danforth, Carroll Rhodes (*Duke Univ.*). *Swampscot*
Epstein, Henry David, S.B. (*Massachusetts State Coll.*) 1935. *Brookline*
Gardner, Wallace Joseph (*Fordham Coll.*). *Coxsackie, N.Y*
Garrett, Richard Dempster (*Saint Lawrence Univ.*). *Glens Falls, N.Y*
Gold, Arthur, S.B. (*Massachusetts State Coll.*) 1935. *Springfield*
Grant, James Madison, Jr., S.B. (*Morgan Coll.*) 1935. *Boston*
Greene, Frank Bernard, S.B. (*Boston Univ.*) 1935. *Cambridge*
Hakanson, Ivar Rudolph (*Tufts Coll.*). *Winchester*
Helfand, Harry, A.B. (*Univ. of Maine*) 1935. *Milford*
Hopkins, Chester Thomas (*Coll. of William and Mary*). *Lynn*
Hughes, Harry Hartshorn (*Tufts Coll.*). *Colebrook, N.H.*
Kennedy, Robert Farrell (*Univ. of Vermont*). *Waterbury, Vt.*
Kop, Willem (*Gooische Hoogere Burgerschool*). *Bussum, Holland*
Lazzaro, Paul (*Tufts Coll.*). *Wakefield*
Legg, Robert Leroy (*Boston Univ.*). *Reading*
McCrudden, James Edward (*Manhattan Coll.*). *Bronx, N.Y.*
McLaughlin, William Lyons (*Dartmouth Coll.*). *Bridgeport, Conn.*
Maloney, Richard Crandon, A.B. (*Boston Coll.*) 1935. *Boston*
Mann, Parker, A.B. (*Bates Coll.*) 1932. *Auburn, Me.*
Meuser, Ernest August (*Brown Univ.*). *Pawtucket, R.I.*
Nicholson, John Vincent, A.B. (*Boston Coll.*) 1935. *Brighton*
Parker, Theodore Herbert, A.B. (*Dartmouth Coll.*) 1934. *Chelsea*
Peters, Maurice Earle, Jr. (*Dartmouth Coll.*). *West Newton*
Romanow, Irving (*Harrard Univ.*). *Boston*
Roy, Albert Ernest, A.B. (*St. Hyacinthe's Coll.*) 1934. *Newton*
Sablow, Lester Henry (*Ohio Univ.*). *Mount Vernon, N.Y.*

mmons, Norman Stanley (*Coll. of the City of New York*).
Mount Vernon, N.Y.
llitto, Paul Henry, S.B. (*Rhode Island State Coll.*) 1935. *Providence, R.I.*
tead, George Owen (*Univ. of New Hampshire*). *New London, Conn.*
elge, Harold Wadi, S.B. (*Univ. of New Hampshire*) 1935. *Manchester, N.H.*
horne, Stephen Edward, Jr. (*Univ. of Pennsylvania*). *Schuylerville, N.Y.*
eisman, David Bert (*Massachusetts Inst. of Technology*). *Mattapan*
elch, Edward Joseph (*Coll. of the Holy Cross*). *Springfield*
ellock, William Donald (*Univ. of Alabama*). *Chelsea*
ood, William Edwin, S.B. (*Agricultural Coll. of Utah*) 1925.
Washington, D.C.

Unclassified

thans, Thomas Cyriaco Hadji, D.E.D.P. (*L'Ecole Dentaire de Paris*) 1921.
Hempstead, L.I., N.Y.
orgstrom, Earl William Theodor, A.B. (*Upsalao Cll.*) 1930. (*Dental School of the University of Leipzig*). *Stockholm, Sweden*
Hunter, Geoffrey Brocas, B.D.S. (*Univ. of London*) 1932.
Scarborough, England
anter, Henry, L.D.S. (*Royal College of Surgeons, Eng.*) 1934.
Johannesburg, South Africa

SUMMARY

Graduate Students	5
Fourth-Year Students	38
Third-Year Students	28
Second-Year Students	37
First-Year Students	44
Unclassified Students	4
Total	156

ANNOUNCEMENT FOR 1936–37

Registration of students for the academic year 1936–37 begins in th Dental School, 188 Longwood Avenue, on Friday, September 25, and a Juniors and Seniors are required to register on that day. Freshmen ar Sophomores are expected to register on or before Monday, September 2

CALENDAR

1936.

Sept. 25,	*Friday.*	Registration of third and fourth-year students.
Sept. 28,	*Monday.*	**Academic Year begins.** Registration o first and second-year Students. Payme of the first instalment of the tuition-fee required on this date.
Oct. 12,	*Monday.*	Columbus Day : a holiday.
Nov. 11,	*Wednesday.*	Armistice Day : a holiday.
Nov. 26,	*Thursday.*	Thanksgiving Day : a holiday.

Recess from Dec. 23, 1936, to Jan. 2, 1937, inclusive.

1937.

Jan. 1,	*Friday.*	New Year's Day : a holiday.
Feb. 1,	*Monday.*	**Second Half-year begins.**
Feb. 22,	*Monday.*	Washington's Birthday : a holiday.

Recess from April 4 to April 11, inclusive.

Apr. 19,	*Monday.*	Patriots' Day : a holiday.
May 1,	*Saturday.*	Last day for receiving applications of candidate for the degree of D.M.D. in June, 1937.
May 31,	*Monday.*	Memorial Day : a holiday.
June 23,	*Wednesday.*	Alumni Day.
June 24,	*Thursday.*	**Commencement.**

Summer Vacation, from Commencement to Sept. 26, inclusive.

LIST OF GRADUATES

1931

Anderson, Nils August Charles — Hartford, Conn.
Bissell, George DeForest — Melrose
Byrne, Francis Edward — Phillipsburg, N. J.
A.B. (*Villanova Coll.*) 1927
Cenci, Vincenzo — Howard, R. I.
PH.B. (*Brown Univ.*) 1925
Draye, Maurice Francis — Springfield Gardens, N. Y.
Egan, George Fairfield — New York, N. Y.
Frasca, Kenneth James — Elmsford, N. Y.
Gorsey, Robert Barnet — Cambridge
Hubbard, George Randolph — Boston
A.B. 1927
Lewis, John Brayton — Upper Montclair, N. J.
Norcross, Winston Clark — Boston
Norfleet, William John, Jr. — Suffolk, Va.
Phillips, Joseph Henry — Flushing, L. I., N. Y.
Rappaport, Benjamin — Brooklyn, N. Y.
Ricciardi, John Michael — Waterbury, Conn.
A.B. (*Holy Cross Coll.*) 1926
Waddan, Yaakub Azra — Bagdad, Iraq, Arabia
White, Philip Hay — Boston
A.B. (*Defiance Coll.*) 1928
Wilkinson, Frost Birnie — New York, N. Y.
Worthen, Eugene Leon — Concord, N. H.

1932

Atwood, Theodore Winslow (*cum laude*) — Baltimore, Md.
A.B. (*Duke Univ.*) 1928
*Canning, John Francis — Providence, R. I.
PH.B. (*Providence Coll.*) 1927
Cohen, Maynard Edmond — Boston
Conway, Joseph Arthur — Boston
Eaton, Karl Bernard — Dotacamund, So. India
A.B. (*Acadia Coll.*) 1931
Flynn, William Henry — New Haven, Conn.
PH.B. (*Providence Coll.*) 1928
Goodfleish, Herbert Louis — New York, N. Y.
B.S. (*Coll. of the City of New York*) 1927

* Deceased.

Harte, Leslie Patrick — London, England
L.D.S. (*Royal Coll. of Surgeons, England*) 1931
Hickey, Maurice John — New York, N. Y.
Kirmayer, Thomas Dean — Cliffside Park, N. J.
B.S. 1927
Lenoci, Ralph — Port Chester, N. Y.
Levinson, Tobias — Boston
McGirr, Francis William — Saratoga Springs, N. Y.
B.S. (*Hobart Coll.*) 1929
Moder, Arthur Alfred — New York, N. Y.
B.S. (*Coll. of the City of New York*) 1928
Morrissey, Leonard Gerard — Medford
B.S. (*Boston Coll.*) 1923
Musche, Frank Wilbur — E. Dedham
Phipps, Wilbur Nelson (*cum laude*) — Quincy
Nelson, Carl Truman (*cum laude*) — Boston
Rafferty, Robert William — Willimantic, Conn.
A.B. (*Univ. of Maine*) 1925
Ross, Alfred DeWitt — Fitchburg
Schmalz, Lester Otto — Cincinnati, O.
Seyfarth, Hermann Berthold Fritz (*cum laude*) — Boston
Spacagna, Charles Angelo — Providence, R. I.
A.B. (*Brown Univ.*) 1927
Sturgis, Edwin Albert, Jr. — Marblehead

1933

Augustine, Anastas George — Napanoch, N. Y.
A.B. (*Middlebury Coll.*) 1929
Bachmann, Werner Emil — Waltham
Blake, Albert Cook — Providence, R. I.
PH.B. (*Brown Univ.*) 1929
Bronson, Wingate Chaplin — Forest Hills, N. Y.
Chin, Harold Favenc Paul — Sydney, Australia
B.D.S. (*Univ. of Sydney*) 1930
DeMartini, Walter — Brooklyn, N. Y.
Edwards, Norman Luther — Madison, Maine
A.B. (*Bates Coll.*) 1929
Etherington, James Winfred — Winthrop
Gengras, Alfred Joseph, Jr. — W. Hartford, Conn.
Hunn, David Edward — Troy, N. Y.
A.B. (*Hamilton Coll.*) 1929 (*cum laude*)
Ilg, Viktor Karl — Karlsruhe, Germany

Clark, Cyril Vivian	London, England
L.D.S. (*Royal College of Surgeons, England*) 1931	
Laakso, William (*cum laude*)	Gardner
Lawrence, Richard Wason	Milford, N. H.
McDowell, Joseph Lincoln (*cum laude*)	Ossining, N. Y.
Marino, James Vincent	Brooklyn, N. Y.
Mindel, Leo Elias	New Brunswick, N. J.
Morinville, William Arthur	Pawtucket, R. I.
Nakashian, Samuel James	New York, N. Y.
Parsons, John Yarwood	Huntington, W. Va.
A.B. (*Oberlin Coll.*) 1929.	
Starbird, Kenneth Irving	Boston
Sullivan, George Arnold	Newburyport
A.B. (*Catholic Univ.*) 1929 (*cum laude*)	
Tell, Meyer Edward (*cum laude*)	Washington, D. C.
Vasgatt, Richard	Bar Harbor, Maine
Zaffee, Morris	Glens Falls, N. Y.

1934

Carbone, Frank Steven	Beverly
Carpenter, Russell Higson	Providence, R. I.
Finn, Sidney Bernard, A.B. (*Ohio State Univ.*) 1930	Rochester, N. Y.
Gallahue, Stephen Carrier, A.B. (*Coll. of the Holy Cross*) 1930	Quincy
Grant, Henry Hichborn	Portland, Maine
Herrling, Willard Samuel, Jr.	Auburn, N. Y.
Hill, Hans Bernhard	New York, N. Y.
Kroll, Louis (*cum laude*)	New York, N. Y.
Lalor, Daniel James	Uxbridge
Levitt, Nathan, A.B. (*Brown Univ.*) 1930 (*cum laude*)	Providence, R. I.
Mangi, Richard Constantine	New York, N. Y.
Manning, John Nowell	Waltham
Miner, John Walter, S.B. (*Colby Coll.*) 1929	Calais, Maine
Nemec, Frank Albert	Newark, N. Y.
Nowland, William Frederick	Farnhurst, Del.
Pinel, Philip John	Boston
Richards, Horace William Sowles	Boston
Ross, Milton Randolph	Newark, N. J.

Stadt, Zachary Michlin, S.B. (*Univ. of Louisville*) 1930	Brooklyn, N. Y.
Sullivan, Timothy Carroll	Manchester, N. H.
Svenson, Sven Oscar	Worcester
Swallow, Donald Walcott	Rumford, Maine
Thompson, Claude Weston, Jr.	Dorchester
Van de Vyver, Leon Charles, S.B., M.D. (*Univ. of Louvain*) 1927	Louvain, Belgium
Virkler, Stanley Bent, A.B. (*St. Lawrence Univ.*) 1930	Wellesley

1935

Baker, Joseph Michael	Brattleboro, Vt.
Barton, Roger Daniel	Athol
Bastey, Warren Walker	Boston
Bishop, John Lloyd, A.B. (*Dartmouth Coll.*) 1930 (*cum laude*)	Newtown, Conn.
Boynton, John Wilson, Jr.	Boston
Broderick, James Howard	Albany, N. Y.
Carle, Clarke Albert, A.B. (*Coll. of the Holy Cross*) 1931	Cincinnati, Ohio
DiNoia, Ferdinand William	Port Richmond, S. I., N. Y.
Feleppa, Alfred Edward	Bronx, N. Y.
Finemore, Harold Harman Mantle, B.D.S. (*Univ. of Sydney*) 1932	Bundaberg, Queensland, Australia
Goldman, Henry Maurice	Boston
Hannon, James Richard, A.B. 1931	Brighton
Hansis, Edward Siebert	New York, N. Y.
Jarrett, Paul Francis, A.B. (*Univ. of Maine*) 1932	Boston
Kenney, William Harry	Boston
Leveton, Albert Aaron	Springfield
Lewis, Samuel	Brooklyn, N. Y.
Loftus, Edward Roland	Boston
Oskar, John, S.B. (*Tufts Coll.*) 1931	Lawrence
Parker, Theodore Rich	New York, N. Y.
Parr, James McClintock, S.B. (*New York Univ.*) 1931 (*cum laude*)	Newburgh, N. Y.
Powitz, Aaron Alexander	Newark, N. J.
Scott, Francis George, B.D.S. (*Univ. of Otago*) 1927	Epsom, Auckland, New Zealand